

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	AAV5
<b>Cat No.</b>	RP30241
<b>Lot No</b>	E1239123J
<b>Sequence</b>	See appendix for details
<b>Modification</b>	N/A
<b>Size</b>	4.475mg
<b>Storage</b>	-20°C
<b>Recommended Solvent*</b>	Dimethyl sulfoxide(Analytical grade)
<b>HPLC purity</b>	≥90.0%
<b>Appearance</b>	White lyophilized powder
<b>Comments</b>	TFA salts

\*Note: Above recommended solvents for reference only. If there is any request for detailed dissolution conditions, we suggest you choose our 'Peptide Solubility Test Service'.

**Caution:**

For laboratory or further manufacturing use only. Not intended for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (TollFree), or 1-732-885-9188.

Certified by: *Shanshan Wei*      Date: 11/02/2023

Thank you for your patronage to our Peptide services! To maintain this working relationship, we shall be grateful if you can add our webpage URL into your lab website. As a token of appreciation, you will be rewarded by 1,000 EZcoupon™ points. For more information, please contact us by e-mail at [web@genscript.com](mailto:web@genscript.com).

**Appendix:**

Sequence	MW	Quantity	Purity
MSFVDHPPDWLEEVG	1757.92	25ug	≥90.0%
DHPPDWLEEVGEGLR	1748.85	25ug	≥90.0%
DWLEEVGEGLREFLG	1748.89	25ug	≥90.0%
EVGEGLREFLGLEAG	1575.73	25ug	≥90.0%
GLREFLGLEAGPPKP	1580.83	25ug	≥90.0%
FLGLEAGPPKPKPNQ	1592.84	25ug	≥90.0%
EAGPPKPKPNQQHQD	1670.79	25ug	≥90.0%
PKPKPNQQHQDQARG	1728.87	25ug	≥90.0%

PNQQHQDQARGLVLP	1700.86	25ug	≥ 90.0%
HQDQARGLVLPGYNY	1730.89	25ug	≥ 90.0%
ARGLVLPGYNYLPGPG	1546.78	25ug	≥ 90.0%
VLPGYNYLPGNGLD	1548.70	25ug	≥ 90.0%
YNYLPGNGLDRGEP	1621.71	25ug	≥ 90.0%
GPGNGLDRGEPVNRA	1508.60	25ug	≥ 90.0%
GLDRGEPVNRADVA	1597.69	25ug	≥ 90.0%
GEPVNRADVAREHD	1693.74	25ug	≥ 90.0%
NRADEVAREHDISYN	1788.84	25ug	≥ 90.0%
EVAREHDISYNEQLE	1831.90	25ug	≥ 90.0%
EHDISYNEQLEAGDN	1733.71	25ug	≥ 90.0%
SYNEQLEAGDNPYLK	1740.83	25ug	≥ 90.0%
QLEAGDNPYLKYNHA	1732.86	25ug	≥ 90.0%
GDNPYLKYNHADAEF	1753.83	25ug	≥ 90.0%
YLKYNHADAEFQEKL	1869.05	25ug	≥ 90.0%
NHADAEFQEKLADDT	1703.73	25ug	≥ 90.0%
AEFQEKLADDTSGG	1614.67	25ug	≥ 90.0%
EKLADDTSGGNLKG	1551.66	25ug	≥ 90.0%
DDTSFGGNLKGAVFQ	1555.65	25ug	≥ 90.0%
FGGNLKGAVFQAKKR	1620.90	25ug	≥ 90.0%
LGKAVFQAKKRVLEP	1684.04	25ug	≥ 90.0%
VFQAKKRVLEPFGLV	1731.10	25ug	≥ 90.0%
KKRVLEPFGLVEEGA	1671.94	25ug	≥ 90.0%
LEPFGLVEEGAKTAP	1557.75	25ug	≥ 90.0%
GLVEEGAKTAPTGKR	1513.70	25ug	≥ 90.0%
EGAKTAPTGKRIDDH	1595.72	25ug	≥ 90.0%
TAPTGKRIDHFPKR	1738.95	25ug	≥ 90.0%
GKRIDHFPKRKKAR	1852.16	25ug	≥ 90.0%
DDHFPKRKKARTEED	1872.01	25ug	≥ 90.0%
PKRKKARTEEDSKPS	1756.97	25ug	≥ 90.0%
KARTEEDSKPSTSSD	1637.67	25ug	≥ 90.0%
EEDSKPSTSSDAEAG	1509.45	25ug	≥ 90.0%
KPSTSSDAEAGPSGS	1377.37	25ug	≥ 90.0%
SSDAEAGPSGSQQLQ	1461.45	25ug	≥ 90.0%
EAGPSGSQQLQIPAQ	1510.61	25ug	≥ 90.0%
SGSQQLQIPAPASS	1498.60	25ug	≥ 90.0%
QLQIPAPASSLGAD	1495.64	25ug	≥ 90.0%
PAQPASSLGADTMSA	1403.52	25ug	≥ 90.0%
ASSLGADTMSAGGGG	1238.29	25ug	≥ 90.0%
GADTMSAGGGGPLGD	1262.31	25ug	≥ 90.0%
MSAGGGGPLGDNNQG	1331.38	25ug	≥ 90.0%
GGGPLGDNNQGADGV	1327.32	25ug	≥ 90.0%
LGDNNQGADGVGNAS	1388.36	25ug	≥ 90.0%
NQGADGVGNASGDWH	1484.45	25ug	≥ 90.0%

DGVGNASGDWHCDST	1520.50	25ug	≥ 90.0%
NASGDWHCDSTWMGD	1681.73	25ug	≥ 90.0%
DWHCDSTWMGDRVVT	1807.97	25ug	≥ 90.0%
DSTWMGDRVVTKSTR	1738.93	25ug	≥ 90.0%
MGDRVVTKSTRTWVL	1749.05	25ug	≥ 90.0%
VVTKSTRTWVLP SYN	1751.00	25ug	≥ 90.0%
STRTWVLP SYN NHQY	1866.01	25ug	≥ 90.0%
WVLP SYN NHQYREIK	1947.17	25ug	≥ 90.0%
SYNNHQYREIKSGSV	1781.89	25ug	≥ 90.0%
HQYREIKSGSVDGSN	1676.75	25ug	≥ 90.0%
EIKSGSVDGSNANAY	1511.55	25ug	≥ 90.0%
GSVDGSNANAYFGYS	1508.51	25ug	≥ 90.0%
GSNANAYFGYSTPWG	1591.64	25ug	≥ 90.0%
NAYFGYSTPWGYFDF	1834.94	25ug	≥ 90.0%
GYSTPWGYFDFNRFH	1894.02	25ug	≥ 90.0%
PWGYFDFNRFHSHWS	1983.12	25ug	≥ 90.0%
FDNRFHSHWSPRDW	2034.16	25ug	≥ 90.0%
RFHSHWSPRDWQRLI	2021.26	25ug	≥ 90.0%
HWSPRDWQRLINNYW	2071.27	25ug	≥ 90.0%
RDWQRLINNYWGFRP	2021.25	25ug	≥ 90.0%
RLINNYWGFRPRSLR	1948.25	25ug	≥ 90.0%
NYWGFRPRSLRVKIF	1939.28	25ug	≥ 90.0%
FRPRSLRVKIFNIQV	1873.26	25ug	≥ 90.0%
SLRVKIFNIQVKEVT	1774.12	25ug	≥ 90.0%
KIFNIQVKEVTVQDS	1747.99	25ug	≥ 90.0%
IQVKEVTVQDSTTTI	1661.86	25ug	≥ 90.0%
EVTVQDSTTTIANNL	1605.71	25ug	≥ 90.0%
QDSTTTIANNLSTV	1565.64	25ug	≥ 90.0%
TTIANNLSTVQVFT	1609.78	25ug	≥ 90.0%
NNLTSTVQVFTDDDY	1731.78	25ug	≥ 90.0%
STVQVFTDDDYQLPY	1790.88	25ug	≥ 90.0%
VFTDDDYQLPYVVG N	1744.86	25ug	≥ 90.0%
DDYQLPYVVGNGTEG	1626.68	25ug	≥ 90.0%
LPYVVGNGTEGCLPA	1489.70	25ug	≥ 90.0%
VGNGTEGCLPAFPPQ	1486.66	25ug	≥ 90.0%
TEGCLPAFPPQVFTL	1619.89	25ug	≥ 90.0%
LPAFPPQVFTLPQYG	1674.94	25ug	≥ 90.0%
PPQVFTLPQYGYATL	1694.93	25ug	≥ 90.0%
FTLPQYGYATLNRDN	1772.92	25ug	≥ 90.0%
QYGYATLNRDNTENP	1755.80	25ug	≥ 90.0%
ATLNRDNTENPTERS	1717.76	25ug	≥ 90.0%
RDNTENPTERSFFC	1802.88	25ug	≥ 90.0%
ENPTERSFFCLEYF	1869.02	25ug	≥ 90.0%
ERSFFCLEYFPSKM	1871.15	25ug	≥ 90.0%

FFCLEYFPSKMLRTG	1839.19	25ug	≥ 90.0%
EYFPSKMLRTGNNFE	1833.04	25ug	≥ 90.0%
SKMLRTGNNFEFTYN	1822.02	25ug	≥ 90.0%
RTGNNFEFTYNFEEV	1866.94	25ug	≥ 90.0%
NFEFTYNFEEVPHHS	1907.01	25ug	≥ 90.0%
TYNFEEVPHSSFAP	1771.89	25ug	≥ 90.0%
EEVPHSSFAPSQNL	1688.80	25ug	≥ 90.0%
FHSSFAPSQNLFKLA	1693.91	25ug	≥ 90.0%
FAPSQNLFKLANPLV	1658.95	25ug	≥ 90.0%
QNLFKLANPLVDQYL	1776.05	25ug	≥ 90.0%
KLANPLVDQYLYRFV	1839.15	25ug	≥ 90.0%
PLVDQYLYRFVSTNN	1829.03	25ug	≥ 90.0%
QYLYRFVSTNNTGGV	1718.87	25ug	≥ 90.0%
RFVSTNNTGGVQFNK	1668.82	25ug	≥ 90.0%
TNNTGGVQFNKNLAG	1534.64	25ug	≥ 90.0%
GGVQFNKNLAGRYAN	1608.76	25ug	≥ 90.0%
FNKNLAGRYANTYKN	1773.95	25ug	≥ 90.0%
LAGRYANTYKNWFPG	1757.95	25ug	≥ 90.0%
YANTYKNWFPGPMGR	1802.03	25ug	≥ 90.0%
YKNWFPGPMGRTQGW	1825.07	25ug	≥ 90.0%
FPGPMGRTQGWNLGS	1604.80	25ug	≥ 90.0%
MGRTQGWNLGSVNR	1632.81	25ug	≥ 90.0%
QGWNLGSVNRASVS	1531.64	25ug	≥ 90.0%
LGSGVNRASVSAFAT	1436.58	25ug	≥ 90.0%
VNRASVSAFATTNRM	1624.83	25ug	≥ 90.0%
SVSAFATTNRMELEG	1612.77	25ug	≥ 90.0%
FATTNRMELEGASYQ	1717.86	25ug	≥ 90.0%
NRMELEGASYQVPPQ	1718.89	25ug	≥ 90.0%
LEGASYQVPPQPNGM	1587.76	25ug	≥ 90.0%
SYQVPPQPNGMTNNL	1659.83	25ug	≥ 90.0%
PPQPNGMTNNLQGSN	1568.67	25ug	≥ 90.0%
NGMTNNLQGSNTYAL	1597.71	25ug	≥ 90.0%
NNLQGSNTYALENTM	1669.78	25ug	≥ 90.0%
GSNTYALENTMIFNS	1661.80	25ug	≥ 90.0%
YALENTMIFNSQPAN	1712.89	25ug	≥ 90.0%
NTMIFNSQPANPGTT	1592.74	25ug	≥ 90.0%
FNSQPANPGTTATYL	1581.69	25ug	≥ 90.0%
PANPGTTATYLEGNM	1536.67	25ug	≥ 90.0%
GTTATYLEGNMLITS	1571.76	25ug	≥ 90.0%
TYLEGNMLITSESET	1687.83	25ug	≥ 90.0%
GNMLITSESETQPVN	1619.76	25ug	≥ 90.0%
ITSESETQPVNRVAY	1693.82	25ug	≥ 90.0%
SETQPVNRVAYNVGG	1590.70	25ug	≥ 90.0%
PVNRVAYNVGGQMAT	1576.78	25ug	≥ 90.0%

VAYNVGGQMATNNQS	1553.66	25ug	≥ 90.0%
VGGQMATNNQSSTTA	1466.54	25ug	≥ 90.0%
MATNNQSSTTAPATG	1451.52	25ug	≥ 90.0%
NQSSTTAPATGTYNL	1525.58	25ug	≥ 90.0%
TTAPATGTYNLQEIV	1578.73	25ug	≥ 90.0%
ATGTYNLQEIVPGSV	1548.70	25ug	≥ 90.0%
YNLQEIVPGSVWMER	1821.07	25ug	≥ 90.0%
EIVPGSVWMERDVYL	1793.06	25ug	≥ 90.0%
GSVWMERDVYLQGPI	1749.99	25ug	≥ 90.0%
MERDVYLQGPWAKI	1819.14	25ug	≥ 90.0%
VYLQGPWAKIPETG	1671.94	25ug	≥ 90.0%
GPIWAKIPETGAHFH	1660.88	25ug	≥ 90.0%
AKIPETGAHFHPSPA	1559.73	25ug	≥ 90.0%
ETGAHFHPSPAMGGF	1542.68	25ug	≥ 90.0%
HFHPSPAMGGFGLKH	1619.85	25ug	≥ 90.0%
SPAMGGFGLKHPPPM	1523.83	25ug	≥ 90.0%
GGFGLKHPPPMMLIK	1623.05	25ug	≥ 90.0%
LKHPPPMMLIKNTPV	1716.17	25ug	≥ 90.0%
PPMMLIKNTPVPGNI	1622.01	25ug	≥ 90.0%
LIKNTPVPGNITSFS	1587.82	25ug	≥ 90.0%
TPVPGNITSFSDVPV	1529.70	25ug	≥ 90.0%
GNITSFSDVPVSSFI	1569.72	25ug	≥ 90.0%
SFSDVPVSSFITQYS	1663.79	25ug	≥ 90.0%
VPVSSFITQYSTGQV	1612.79	25ug	≥ 90.0%
SFITQYSTGQVTVEM	1690.88	25ug	≥ 90.0%
QYSTGQVTVEMEWEL	1799.96	25ug	≥ 90.0%
GQVTVEMEWELKKEN	1820.04	25ug	≥ 90.0%
VEMEWELKKENSKRW	1992.27	25ug	≥ 90.0%
WELKKENSKRWNPEI	1957.20	25ug	≥ 90.0%
KENSKRWNPEIQYTN	1907.06	25ug	≥ 90.0%
KRWNPEIQYTNNYND	1955.06	25ug	≥ 90.0%
PEIQYTNNYNDPQFV	1841.94	25ug	≥ 90.0%
YTNNYNDPQFVDFAP	1804.87	25ug	≥ 90.0%
YNDPQFVDFAPDSTG	1672.71	25ug	≥ 90.0%
QFVDFAPDSTGEYRT	1732.81	25ug	≥ 90.0%
FAPDSTGEYRTTRPI	1710.85	25ug	≥ 90.0%
STGEYRTTRPIGTRY	1757.91	25ug	≥ 90.0%
YRTTRPIGTRYLTRP	1851.13	25ug	≥ 90.0%
RPIGTRYLTRPL	1442.71	25ug	≥ 90.0%