

CERTIFICATE OF ANALYSIS

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|-----------------------------|--------------------------------------|
| Product Name | SARS-CoV-2 N |
| Order ID | RP30013 |
| Lot No | E6341522B |
| Sequence | See appendix for details |
| Modification | N/A |
| Size | 2.55mg |
| Storage | -20°C |
| Recommended Solvent* | Dimethyl sulfoxide(Analytical grade) |
| HPLC purity | Crude |
| Appearance | White lyophilized powder |
| Comments | 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.

Shanshan Wei

Certified by:

Date: 02/18/2022

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.

Appendix:

| Sequence | MW | Quantity | Purity |
|-----------------|---------|----------|--------|
| MSDNGPQNQRNAPRI | 1697.84 | 25ug | Crude |
| GPQNQRNAPRITFGG | 1612.76 | 25ug | Crude |
| QRNAPRITFGGPSDS | 1602.71 | 25ug | Crude |
| PRITFGGPSDSTGSN | 1492.55 | 25ug | Crude |
| FGGPSDSTGSNQNGE | 1453.39 | 25ug | Crude |

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|------------------|---------|------|-------|
| SDSTGSNQNGERSGA | 1466.39 | 25ug | Crude |
| GSNQNGERSGARSKQ | 1575.61 | 25ug | Crude |
| NGERSGARSKQRRPQ | 1726.86 | 25ug | Crude |
| SGARSKQRRPQGLPN | 1651.84 | 25ug | Crude |
| SKQRRPQGLPNNTAS | 1653.81 | 25ug | Crude |
| RPQGLPNNTASWFTA | 1659.81 | 25ug | Crude |
| LPNNTASWFTALTQH | 1700.86 | 25ug | Crude |
| TASWFTALTQHGKED | 1691.80 | 25ug | Crude |
| FTALTQHGKEDLKFP | 1731.95 | 25ug | Crude |
| TQHGKEDLKFPRGQG | 1697.86 | 25ug | Crude |
| KEDLKFPRGQGVPIN | 1697.94 | 25ug | Crude |
| KFPRGQGVPIINTSS | 1601.77 | 25ug | Crude |
| GQGVPINTNSSPDDQ | 1528.54 | 25ug | Crude |
| PINTNSSPDDQIGYY | 1683.73 | 25ug | Crude |
| NSSPDDQIGYYRRAT | 1742.81 | 25ug | Crude |
| DDQIGYYRRATRRIR | 1939.15 | 25ug | Crude |
| GYRRATRRIRGGDG | 1753.93 | 25ug | Crude |
| RATRRIRGGDGKMKD | 1716.97 | 25ug | Crude |
| RIRGGDGKMKDLSR | 1685.96 | 25ug | Crude |
| GDGKMKDLSRWYFY | 1863.11 | 25ug | Crude |
| MKDLSRWYFYLLGT | 1940.23 | 25ug | Crude |
| SRWYFYLLGTGPEA | 1806.98 | 25ug | Crude |
| YFYLLGTGPEAGLPY | 1710.89 | 25ug | Crude |
| LGTGPEAGLPYGANK | 1444.59 | 25ug | Crude |
| PEAGLPYGANKDGII | 1514.69 | 25ug | Crude |
| LPYGANKDGIIVVAT | 1617.85 | 25ug | Crude |
| ANKDGIIVVATEGAL | 1557.75 | 25ug | Crude |
| GIIVVATEGALNTPK | 1569.81 | 25ug | Crude |
| VATEGALNTPKDHIG | 1522.67 | 25ug | Crude |
| GALNTPKDHIGTRNP | 1590.75 | 25ug | Crude |
| TPKDHIGTRNPANNA | 1605.72 | 25ug | Crude |
| HIGTRNPANNAIIVL | 1560.76 | 25ug | Crude |
| RNPANNAIIVLQLPQ | 1618.84 | 25ug | Crude |
| NNAIIVLQLPQGTTL | 1552.78 | 25ug | Crude |
| IIVLQLPQGTTLPKGF | 1611.93 | 25ug | Crude |
| LPQGTTLPKGFYAEG | 1578.77 | 25ug | Crude |
| TTLPKGFYAEGSRGG | 1540.68 | 25ug | Crude |
| KGFYAEGSRGGSQAS | 1501.56 | 25ug | Crude |
| AEGSRGGSQASSRSS | 1423.41 | 25ug | Crude |
| RGGSQASSRSSRSR | 1565.62 | 25ug | Crude |
| QASSRSSRSRNSSR | 1652.69 | 25ug | Crude |
| RSSRSRNSSRNSTP | 1678.73 | 25ug | Crude |
| RSRNSSRNSTPGSSR | 1648.70 | 25ug | Crude |
| SSRNSTPGSSRGTS | 1477.50 | 25ug | Crude |
| STPGSSRGTSPARMA | 1462.60 | 25ug | Crude |
| SSRGTSPARMAGNGG | 1405.50 | 25ug | Crude |
| TSPARMAGNGGDAAL | 1388.51 | 25ug | Crude |
| RMAGNGGDAALALLL | 1442.69 | 25ug | Crude |

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|-----------------|---------|------|-------|
| NGGDAALALLLDRL | 1524.77 | 25ug | Crude |
| AALALLLDRLNQLE | 1665.98 | 25ug | Crude |
| LLLDRLNQLESKMS | 1773.11 | 25ug | Crude |
| DRLNQLESKMSGKGQ | 1690.88 | 25ug | Crude |
| QLESKMSGKGQQQQG | 1633.79 | 25ug | Crude |
| KMSGKGQQQQGQTVT | 1605.78 | 25ug | Crude |
| KGQQQQGQTVTKKSA | 1616.78 | 25ug | Crude |
| QQGQTVTKKSAAEAS | 1533.65 | 25ug | Crude |
| TVTKKSAAEASKKPR | 1601.85 | 25ug | Crude |
| KSAAEASKKPRQKRT | 1685.93 | 25ug | Crude |
| EASKKPRQKRTATKA | 1699.96 | 25ug | Crude |
| KPRQKRTATKAYNVT | 1762.03 | 25ug | Crude |
| KRTATKAYNVTQAFG | 1655.86 | 25ug | Crude |
| TKAYNVTQAFGRRGP | 1665.86 | 25ug | Crude |
| NVTQAFGRRGPEQTQ | 1688.81 | 25ug | Crude |
| AFGRRGPEQTQGNFG | 1621.72 | 25ug | Crude |
| RGPEQTQGNFGDQEL | 1675.72 | 25ug | Crude |
| QTQGNFGDQELIRQG | 1690.78 | 25ug | Crude |
| NFGDQELIRQGTDYK | 1783.90 | 25ug | Crude |
| QELIRQGTDYKHWPQ | 1899.08 | 25ug | Crude |
| RQGTDYKHWPQIAQF | 1875.06 | 25ug | Crude |
| DYKHWPQIAQFAPSA | 1758.94 | 25ug | Crude |
| WPQIAQFAPSASAFF | 1667.87 | 25ug | Crude |
| AQFAPSASAFFGMSR | 1574.77 | 25ug | Crude |
| PSASAFFGMSRIGME | 1587.83 | 25ug | Crude |
| AFFGMSRIGMEVTPS | 1629.91 | 25ug | Crude |
| MSRIGMEVTPSGTWL | 1664.95 | 25ug | Crude |
| GMEVTPSGTWLTYTG | 1599.77 | 25ug | Crude |
| TPSGTWLTYTGAIKL | 1608.84 | 25ug | Crude |
| TWLTYTGAIKLDDKD | 1739.93 | 25ug | Crude |
| YTGAIKLDDKDPNFK | 1724.92 | 25ug | Crude |
| IKLDDKDPNFKDQVI | 1788.02 | 25ug | Crude |
| DKDPNFKDQVILLNK | 1787.03 | 25ug | Crude |
| NFKDQVILLNKHIDA | 1768.03 | 25ug | Crude |
| QVILLNKHIDAYKTF | 1803.12 | 25ug | Crude |
| LNKHIDAYKTFPTE | 1773.99 | 25ug | Crude |
| IDAYKTFPTEPKKD | 1749.97 | 25ug | Crude |
| KTFPTEPKKDKKKK | 1800.16 | 25ug | Crude |
| PTEPKKDKKKKADET | 1742.98 | 25ug | Crude |
| KKDKKKKADETQALP | 1728.01 | 25ug | Crude |
| KKKADETQALPQRQK | 1769.02 | 25ug | Crude |
| DETQALPQRQKKQQT | 1798.96 | 25ug | Crude |
| ALPQRQKKQQTVTLL | 1752.08 | 25ug | Crude |
| RQKKQQTVTLLPAAD | 1696.95 | 25ug | Crude |
| QQTVTLLPAADLDDF | 1646.80 | 25ug | Crude |
| TLLPAADLDDFSKQL | 1646.84 | 25ug | Crude |
| AADLDDFSKQLQQSM | 1696.84 | 25ug | Crude |
| DDFSKQLQQSMSSAD | 1686.76 | 25ug | Crude |

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|-----------------|---------|------|-------|
| KQLQQSMSSADSTQA | 1609.72 | 25ug | Crude |
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