

**名称:** SARS-CoV-2 Spike Glycoprotein B.1.1.7-Alpha

**Mutations:** HV 69-70 deletion, Y144 deletion, N501Y, A570D, P681H, T716I, S982A, D1118H, D614G

**Length:** 1270 AA

**Sequence:**

MFVFLVLLPL VSSQCVNLTT RTQLPPAYTN SFTRGVVYPD KVFRSSVLHS TQDLFLPFFS NVTWFHAISG  
TNGTKRFDNP VLPFNDGVYF ASTEKSNIIR GWIFGTTLDS KTQSLIVNN ATNVVIKUCE FQFCNDPFLG  
VYHKNNKSWM ESEFRVYSSA NNCTFEYVSQ PFLMDLEGKQ GNFKNLREFV FKNIDGYFKI YSKHTPINLV  
RDLPPQGFSA EPLVDLPIGI NITRFQTLA LHRSYLTPGD SSSGWTAGAA AYYVGYLQPR TFLLYNENG  
TITDAVDCAL DPLSETKCTL KSFTVEKGIY QTSNFRVQPT ESIVRFPNIT NLCPFGEVFN ATRFASVYAW  
NRKRISNCVA DYSVLYNSAS FSTFKCYGVS PTKLNDLCFT NVYADSFVIR GDEVQRQIAPG QTGKIADYNY  
KLPDDFTGCV IAWNSNNLDS KVGGNYNLY RLFKRSNLKP FERDISTEYI QAGSTPCNGV EGFNCYFPLQ  
SYGFQPTYGV GYQPYRVVVL SFELLHAPAT VCGPKKSTNL VKNKCVNFNF NGLTGTGVLV ESNKKFLPFQ  
QFGRDIDDTT DAVRDPQTL EILDITPCFSG GVSIVTPGTN TSNQVAVLYQ GVNCTEVPVA IHADQLTPTW  
RVYSTGSNVF QTRAGCLIGA EHVNNSYECD IPIGAGICAS YQTQTNSHRR ARSVASQSII AYTMSLGAEN  
SVAYSNNNSIA IPINFITSVT TEILPVSMTK TSDVCTMYIC GDSTECSNLL LQYGSFCTQL NRALTGIAVE  
QDKNTQEVFA QVKQIYKTPP IKDFGGFNFS QILPDPKPS KRSFIEDLLF NKVTLADAGF IKQYGDCLGD  
IAARDLICAQ KFNGLTVLPP LLTDEMIAQY TSALLAGTIT SGWTFGAGAA LQIPFAMQMA YRFNGIGVTQ  
NVLYENQKLI ANQFNSAIGK IQDLSSTAS ALGKLQDVVN QNAQALNTLV KQLSSNFGAI SSVLNDILAR  
LDKVEAEVQI DRLITGRLQS LQTYVTQQLI RAAEIRASAN LAATKMSECV LGQSKRVDFC GKGHYHLSFP  
QSAPHGVVFL HVTYVPAQEK NFFTAPAICH DGKAHFPREG VFVSNNGTHWF VTQRNFYEPQ IITHTNFVVS  
GNCDVVIGIV NNTVYDPLQP ELDSFKEELD KYFKNHTSPD VDLGDISGIN ASVVNIQKEI DRLNEVAKNL  
NESLIDLQEL GKYEQYIKWP WYIWLGFIAI LIAIVMVTIM LCCMTSCCSC LKGCCSCGSC CKFDEDDSEP  
VLKGVKLYHT

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