

Recombinant COVID-19 Spike Protein

Catalog Number: AG1901H

Strength: 10µg, 25ug, 1mg

Accession: YP_009724390

Specifications and Use

Description

Recombinant spike protein of the novel coronavirus (COVID-19) was expressed in Sf21 cells and purified by an affinity column in combination of other chromatograph methods. The resulted protein is a monomeric polypeptide of 1282 (1273+9) amino acids with a 6His tag at the C-terminus. It migrates in SDS-PAGE with an apparent molecular mass of >160kDa.

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MFVFLVLLPLVSSQCVNLTTRTQLPPAYTNSFTRGVVYYPDKVFRSSVLHS
TQDLFLPFFSNVTWFHAIHVSGTNGTKRFDNPVLPFNDGVYFASTEKSNI
IRGWIFGTTLDSTQSLIIVNNATNVVIKVCEFQFCNDPFLGVVYHKNNK
SWMESFRVYSSANNCTFEYVSQPFLMDLEKQGNFKNLREFVFKNIDGY
FKIYSKHTPINLVRDLPQGFSALEPLVDLPIGINITRFQTLALHRSYLT
PGDSSSGWTAGAAAYVGYLQPRFTLLKYNENGTITDAVDCALDPLSETK
CTLKSFTVEKGIYQTSNFRVQPTESIVRFPNITNLCPFGEVFNATRFASV
YAWNRRKRISNCVADYSVLVNSASFSTFKCYGVSPTKLNLDLCTNVIYADSF
VIRGDEVQRQIAPGQTGKIADYNYKLPDDFTGCVIAWNSNNLDSKVGNNY
YLYRLFRKSNLKPFERDISTEIIYQAGSTPCNGVEGFNCYFPLQSYGFQPT
NGVGYQPYRVVLSFELLHAPATVCGPKKSTNLVKNKCVNFNFNGLTGTG
VLTESNKKFLPFQFGRDIADTTDAVRDPQTLIILDITPCSFGGVSVITP
GTNTSNQAVLYQDVNCTEVPVAIHADQLTPTWRVYSTGNSVFOSTRAGCL
IGAETHVNSYECDIPIGAGICASYQTQTNPRRARSVASQSI IAYTMSLG
AENSVAYSNNIAIPTNFTISVTTEILPVSMTKTSVDCTMYICGDSTEC
NLLLQYGSFCTQLNRALTGIAVEQDKNTQEVFAQVKQIYKTPPIKDFGGF
NFSQILPDPSPKSKRSFIEDLLFNKVTLADAGFIKQYGDCLGDIARDLI
CAQKFNGLTVLPPLLTDEMIAQYTSALLAGTITSGWTFGAGAALQIPFAM
QMAYRFNGIGVTONVLYENOKLIANQFNSAIGKIQDSLSSSTASALGKLOD
LQSLQTYVVTQQLIRAAEIRASANLAATKMSECVLGQSKRVDFCGKGYHLM
SFPQSAPHGVVFLHVTYVPAQEKNFTTAPAICHDKAHFPREGVVFVSNGT
HWFVTQRNFYEPQIIITDNTFVSGNCDVVIGIVNNTVYDPLQPELDSFKE
ELDKYFKNHTSPDVDLGDISGINASVVNIQKEIDRLNEVAKNLNESLIDL
QELGKYEQYIKWPWYIWLGF IAGLIAIVMVTIMLCCMTSCCSCLKGCCSC
GSCCKFDEDDSEPVLKGVKLHYTGGGHHHHHH*
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Source	HEK293
Molecular Mass	Approximately 160kD.
Purity	≥90%, as determined by SDS-PAGE.
Biological Activity	Recombinant Spike protein of COVID-19 is suitable for the related function assays.
Formulation	20mM Tris-Cl, pH7.9, 20% glycerol, 100mM NaCl, 1mM DTT and 0.5mM EDTA.
Storage	The protein sample can be stored under sterile conditions at -20°C to -70°C for three months without detectable loss of activity.

FOR RESEARCH USE ONLY!!!