

Active Recombinant SARS-CoV S Protein, His-tagged

Cat. No. S-030S Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant SARS-CoV spike protein fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Species	SARS-CoV
Source	Insect cells
Description	May down-regulate host tetherin (BST2) by lysosomal degradation, thereby counteracting its antiviral activity.
Form	Liquid
Bio-activity	Measured by its binding ability in a functional ELISA with Human ACE-2.
Molecular Mass	131.9kDa
AA Sequence	<p>SDLDRCTTFDDVQAPNYTQHTSSMRGVVYPDEIFRSDTLYLTQDLFLPFYSNVTGFH TINHTFGNPVVPFKDGIYFAATEKSNVVRGWVFGSTMNNKSQSVIIINNSTNVVIRACN FELCDNPFFAVSKPMGTQTHMIFDNAFNCTFEYISDAFSLDVSEKSGNFKHLREFV FKNKDGFLYVYKGYQPIDVVRDLPSGFNTLKPIFKLPLGINITNFRILTAFSQAQDIW GTSAAAYFVGYLKPTTFMLKYDENGITITDAVDCSQNPLAELKCSVKSFIDKGIYQTS NFRVVPSPGDVVRFPNITNLCPFGEVFNATKFPSVYAWERKKISNCVADYSVLYNSTF FSTFKCYGVSATKLNLDLCSNVYADSFVVKGDDVRQIAPGQTGVIADYNYKLPDDFM GCVLAWNTRNIDATSTGNVNYKYRYLRHGKLRPFERDISNVPFSPDGKPCPTPALN CYWPLNDYGFYTTTGIGYQPYRVVVLSELLNAPATVCGPKLSTDLIKNQCVNFNFN</p>

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GLTGTGVLTTPSSKRFQPFQQFGRDVSDFDTSVRDPKTSEILDISPCAFGGVSVITPG
 TNASSEVAVLYQDVNCTDVSTAIHADQLTPAWRIYSTGNNVFQTQAGCLIGAEHVDT
 SYECDIPIGAGICASYHTVSLLRSTSQKSIVAYTMSLGADSSIAYSNNTIAIPTNFSISIT
 TEVMPVSMAKTSVDCNMYICGDSTECANLLLQYGSFCTQLNRALSGIAAEQDRNTR
 EVFAQVKQMYKTPTLKYFGGFNFSQILPDPLKPTKRSFIEDLLFNKVTLADAGFMKQ
 YGECLGDINARDLICAQKFNGLTVLPPLLTDDMIAAYTAALVSGTATAGWTFGAGAAL
 QIPFAMQMAYRFNGIGVTQNVLYENQKQIANQFNKAISQIQESLTTTSTALGKLQDVV
 NQNAQALNTLVKQLSSNFGAISSVLNDILSRDKVEAEVQIDRLITGRLQSLQTYVTQ
 QLIRAAEIRASANLAATKMSECVLGQSKRVDFCGKGYHLMSFPQAAPHGVVFLHVT
 YVPSQERNFTTAPAICHEGKAYFPREGVVFVNGTSWFITQRNFFSPQIITDNTFVSG
 NCDVVIGIINNTVYDPLQPELDSFKEELDKYFKNHTSPDVDLGDISGINASVVNIQKEI
 DRLNEVAKNLNESLIDLQELGKYEQYIKWP

Endotoxin < 1 EU/μg of protein (determined by LAL method)

Purity > 85% by SDS-PAGE

Applications SDS-PAGE, Bioactivity

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -109 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.25 mg/mL (determined by Bradford assay)

Storage Buffer Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name S spike glycoprotein [SARS coronavirus Tor2]

Official Symbol S

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Synonyms	S; spike glycoprotein; E2; spike glycoprotein
Gene ID	1489668
Protein Refseq	NP_828851.1
UniProt ID	P59594

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