

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	SDLDRCTTFDDVQAPNYTQHTSSMRGVYYPDEIFRSDTLYLTQDLFLPFYSNVTGFH TINHTEGPNPVIKFDGIYFAATEKSNVVRGWVFGSTMNNKSQSVIIINNSTNVVIRACN FELCDNPFFAVSKPMGTQTHMIFDNAFNCTFEYISDAFSLDVSEKSGNFKHLREFV FKNKDGFLYVYKGYQPIDVVRDLPSGFNTLKPIFKLPLGINITNFRILTAFSQAQDIW GTSAAAYFVGYLKPTTFMLKYDENGITITDAVDCSQNPLAELKCSVKSFIDKGIYQTS NFRVVPBGDVVRFPNITNLCPFGEVFNATKFPSVYAWERKKISNCVADYSVLYNSTF FSTFKCYGVSATKLNDLCFSNVYADSFVVKGDDVRQIAPGQTGVIADYNYKLPPDFM GCVLAWNTRNIDATSTGNVNYKYRYLRHGKLRPFERDISNVPFSPDGKPCPPALN CYWPLNDYGFYTTTGIGYQPYRVVLSFELLNAPATVCGPKLSTDLIKNQCVNFNFN

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GLTGTGVLTPSSKRFQPFQQFGRDVSDFTDSVRDPKTSEILDISPCAFGGVSVITPG
 TNASSEVAVLYQDVNCTDVSTAIHADQLTPAWRIYSTGNNVFQTQAGCLIGAEHVD
 SYECDIPIGAGICASYHTVSLRSTSQKSIVAYTMSLGADSSIAYSNNTIAIPTNFSISIT
 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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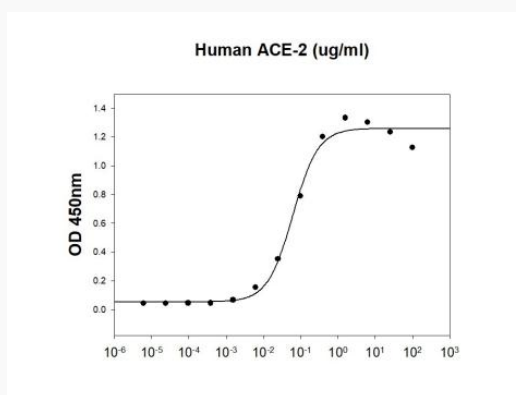
Synonyms S; spike glycoprotein; E2; spike glycoprotein

Gene ID 1489668

Protein Refseq NP_828851.1

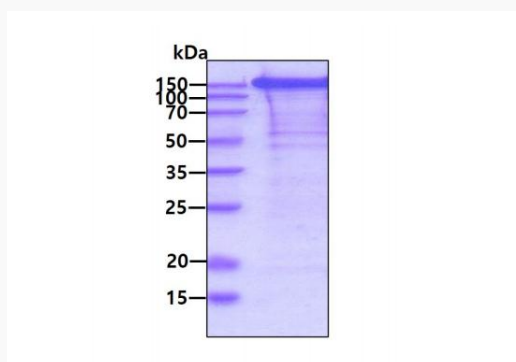
UniProt ID P59594

Biological Activity



SARS-CoV Spike is coated at 5µg/mL (100 µL/well) can bind ACE-2 in a Functional ELISA assay.

SDS-PAGE



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3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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