
Product Data Sheet

Product Name: SARS Spike (306-515)

Cat. No.: GP26387

Batch No.: 1

Product Data

Purity >98% Source HEK293 Cells.

Physical Appearance solid Shipping Condition withIcePacks

Synonyms Spike glycoprotein, S glycoprotein, Peplomer protein, E2 glycoprotein precursor, Severe acute respiratory Syndrome-related Coronavirus, SARS, SRAS-CoV, SARS-CoV1, E2.

Amino Acid Sequence
DGSMRVVPSG DVVRFPNITN LCPFGEVFNA TKFPSVYAW E RKKISNCVAD
YSVLYNSTFF STFKCYGVSA TKLNDLCFSN VYADSFVVKG DDVRQIAPGQ
TGVIADYNYK LPDDFMGCVL AWNTRNIDAT STGNVNYKYR YLRHGKLRPF
ERDISNVPFS PDGKPCTPPA LNCYWPLNDY GFYTTTGIGY QPYRVVLSF
ELLNAPATVC GPKLHHHHHH

Formulation The SARS Spike (306-515) solution (0.5mg/ml) contains Phosphate-Buffered Saline (pH 7.4) and 10% Glycerol.

Introduction

SARS Coronavirus is an enveloped virus containing 3 outer structural proteins, namely the membrane (M), envelope (E), and spike (S) proteins. Spike (S)-glycoprotein of the virus interacts with a cellular receptor and mediates membrane fusion to allow viral entry into susceptible target cells. Accordingly, S-protein takes part in virus infection cycle and is the primary target of neutralizing antibodies.

Biological Activity

Measured by its binding ability in a functional ELISA with Human ACE-2 (CAT# enz-1159).

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

The recombinant SARS Spike containing a total of 220 amino acids (306-515) and having a calculated Mw of 24.8 kDa. SARS Spike is fused to a 6 amino acid His-tag at C-terminus, and is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA