9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SARS Spike (306-515)

Coronavirus Spike Receptor Binding Domain (306-515 a.a.), Recombinant
VAG0453

Product Overview

Name	SARS Spike (306-515)

Description

Coronavirus Spike Receptor Binding Domain (306-515 a.a.), Recombinant

Accession (Primary)	P59594

Synonyms

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

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.

Source

HEK293 Cells.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

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

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

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

DGSM RVVPSG DVVRFPNITN LCPFGEVFNA TKFPSVYAWE RKKISNCVAD YSVLYNSTFF STFKCYGVSA TKLNDLCFSN VYADSFVVKG DDVRQIAPGQ TGVIADYNYK LPDDFMGCVL AWNTRNIDAT STGNYNYKYR YLRHGKLRPF ERDISNVPFS PDGKPCTPPA LNCYWPLNDY GFYTTTGIGY QPYRVVVLSF ELLNAPATVC GPKL HHHHHH

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Biological Activity

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

Precautions

SARS Spike (306-515) is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P59594)