

SARS-CoV Spike (S) Protein with C-terminal Histidine Tag, Recombinant from baculovirus

Catalog No. NR-686

This reagent is the tangible property of the U.S. Government.

Product Description:

NR-686 is a full-length, glycosylated recombinant form of the SARS-CoV spike (S) external envelope glycoprotein and contains a C-terminal histidine tag.¹

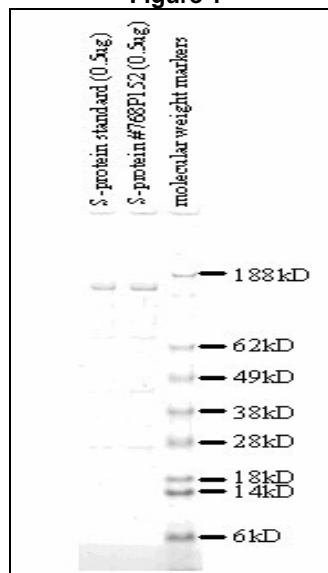
Lot: 768P152

Manufacturing Date: FEB2005

TEST	SPECIFICATIONS	RESULTS
SDS-PAGE (Coomassie Blue densitometer scan)	Report results	~ 160 kDa > 80% pure (see Figure 1)
Demonstration of Protein Glycosylation	Size reduction of protein observed on SDS-PAGE when treated with de-glycosylating enzymes N-glycosidase F and endoglycosidase H	Size reduction of protein observed on SDS-PAGE when treated with de-glycosylating enzymes N-glycosidase F and endoglycosidase H
Concentration by Bicinchoninic Acid Protein Assay	Report results	65 µg/mL
Functional Activity ELISA using soluble NR-686 and bound recombinant human angiotensin-converting enzyme-2 (ectodomain, amino acid residues 1 to 740)	Linear, specific signal with 0.1 to 1.0 µg/mL NR-686	Linear, specific signal with 0.1 to 1.0 µg/mL NR-686
Sterility (USP <71>)	No bacterial or fungal contamination found	No bacterial or fungal contamination found
Endotoxin Content (Limulus Amoebocyte Lysate assay)	Report results	< 5 EU/mL

¹U.S. Patent Numbers 5,762,939 and 6,103,526.

Figure 1



Date: 04 April 2008

Signature: Signature on file

Title: Technical Manager, BEI Authentication or designee

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