Datasheet for ABIN6952705

SARS-CoV-2 Envelope Protein (SARS-CoV-2 E) (His tag,GST tag)

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Overview

Quantity:	100 µg
Target:	SARS-CoV-2 Envelope (SARS-CoV-2 E)
Origin:	SARS Coronavirus-2 (SARS-CoV-2)
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SARS-CoV-2 Envelope protein is labelled with His tag,GST tag.
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	SARS-CoV-2 (COVID-19) Envelope protein, His Tag
Sequence:	AA 1-75
Characteristics:	SARS-CoV-2 Envelope protein, GST,His Tag (ENN-C5128) is expressed from E.coli cells. It contains AA Met 1 - Val 75 (Accession # QHU79206.1). Predicted N-terminus: Met This protein carries a GST tag at the N-terminus and a polyhistidine tag at the C-terminus.
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	SARS-CoV-2 Envelope (SARS-CoV-2 E)
Alternative Name:	SARS-CoV-2 Envelope Protein (SARS-CoV-2 E Products)

Target Details

Target Type:	Viral Protein
Background:	The SARS-CoV-2 is composed of a double-layered lipid envelope, including Spike glycoprotein (S), Envelope protein (E), Membrane glycoprotein (M), and Nucleocapsid protein (Nucleocapsid protein, N). Among them, The amino acid sequence of the SARS-CoV-2 envelope protein is 95 % identical of the SARS envelope protein.
Molecular Weight:	36.8 kDa

Application Details

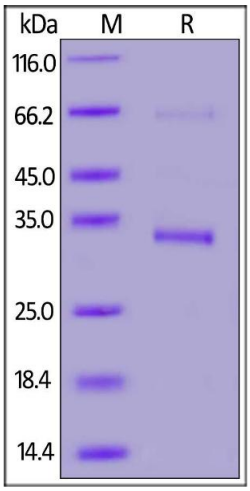
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	20 mM Tris, 5 mM EDTA, Arginine, pH 8.0
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Publications

Product cited in:	Sun, Cao, Cai, Li, Yu, Yao: "Regulation of Nutritional Metabolism in Transition Dairy Cows: Energy Homeostasis and Health in Response to Post-Ruminal Choline and Methionine." in: **PLoS ONE**, Vol. 11, Issue 8, pp. e0160659, (2016) (PubMed). Min, Bae, Jung, Choi, Kim, Kim, Jeon, Kim, Lee, Park: "Orphan nuclear receptor Nur77 mediates fasting-induced hepatic fibroblast growth factor 21 expression." in: **Endocrinology**, Vol. 155, Issue 8, pp. 2924-31, (2014) (PubMed).



SDS-PAGE

Image 1. SARS-CoV-2 Envelope protein, GST,His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .