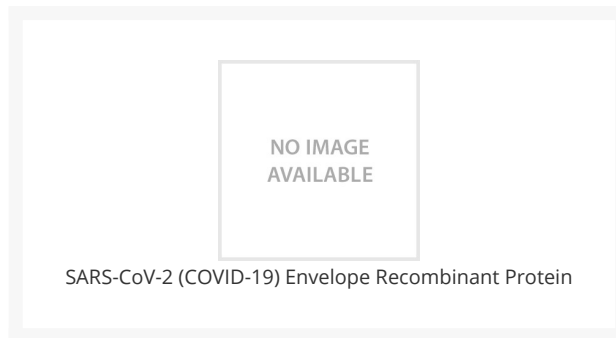




SARS-CoV-2 (COVID-19) Envelope Recombinant Protein

Cat. No.: 97-082




Ψ Specifications

SPECIES:	SARS-CoV-2
SOURCE SPECIES:	E. coli
SEQUENCE:	Met 1 -Val 75
FUSION TAG:	GST Tag, His Tag
PREDICTED MOLECULAR WEIGHT:	9.6 kDa

Ψ Properties

PHYSICAL STATE:	Lyophilized
BUFFER:	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
STORAGE CONDITIONS:	Lyophilized Protein should be stored at -20 °C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20 °C or -70 °C. Avoid repeated freeze-thaw cycles.

OFFICIAL SYMBOL:	E
ALTERNATE NAMES:	Envelope protein, Env polyprotein, Envelope glycoprotein, env
ACCESSION NO.:	QHU79206.1
GENE ID:	43740570

 Background and References

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.
REFERENCES:	1) Schoeman D, et al. <i>Virology</i> . 2019. 16(1):69.

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