

## SARS-CoV-2 envelope(CoV-E) protein (C40A&C43A&C44A, His&MBP)

### General Information

Protein Construction:	A DNA sequence encoding the SARS-CoV-2 (2019-nCoV) E(C40A, C43A, C44A)-His & MBP Recombinant Protein (YP_009724392.1) (Met1-Val75(C40A, C43A, C44A)) was expressed with a N-terminal polyhistidine tag followed by a MBP tag. Predicted N terminal: Met
Species:	SARS-CoV-2
Expression Host:	E. coli
Accession:	YP_009724392.1
Molecular Weight:	52.2 kDa (predicted)

### QC Testing

Biological Activity:	Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90 % as determined by SDS-PAGE.
Endotoxin:	Please contact us for more information.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

### Preparation and Storage

**Reconstitution:**  
Reconstituted with sterile deionized water to 0.25 mg/mL. Reconstitution conditions may vary depending on the lot.

**Stability & Storage:**

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

**Shipping:**

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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