

## Recombinant SARS-CoV-2 E Protein

Catalog Number: PDEV100014

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

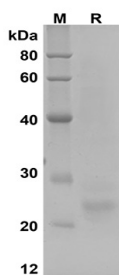
### Description

Species	SARS-CoV-2
Source	E.coli-derived SARS-CoV-2 Envelope protein Met1-Val75, with an N-terminal Sumo & His
Calculated MW	23.6 kDa
Observed MW	24 kDa
Accession	P0DTC4
Bio-activity	Not validated for activity

### Properties

Purity	> 90% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

### Data



SDS-PAGE analysis of SARS-CoV-2 E proteins, 2µg/lane of  
Recombinant SARS-CoV-2 E proteins was resolved with  
SDS-PAGE under reducing conditions, showing bands at 24  
KD.

### Background

Plays a central role in virus morphogenesis and assembly. Acts as a viroporin and self-assembles in host membranes forming pentameric protein-lipid pores that allow ion transport. Also plays a role in the induction of apoptosis.