

Recombinant SARS-CoV-2 ORF3b protein

Catalog Number: PDEV100011

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

Description

Species	SARS-CoV-2
Source	E.coli-derived SARS-CoV-2 ORF3b protein Met1-Val22, with an N-terminal Sumo & C-terminal His
Calculated MW	18.2 kDa
Observed MW	0
Accession	P0DTF1
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.

Background

SARS-CoV-2 ORF3b is homologous to SARS-CoV ORF3b, although the proposed protein is much shorter due to the presence of premature stop codons (Probable). Elicits strong specific antibody response (PubMed:32807944).