Recombinant SARS-CoV-2 M Protein

Catalog Number: PDEV100013

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

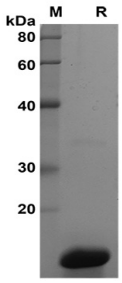
Description

Species	SARS-CoV-2
Source	E.coli-derived SARS-CoV-2 Membrane protein Arg101-Gln222, with an N-terminal His
Calculated MW	15.9 kDa
Observed MW	15 kDa
Accession	P0DTC5
Bio-activity	Not validated for activity

Properties

Purity	> 95% 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 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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 M proteins, 2μg/lane of Recombinant SARS-CoV-2 M proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 15 KD.

Background

Component of the viral envelope that plays a central role in virus morphogenesis and assembly via its interactions with other viral proteins.Regulates the localization of S protein at cis-Golgi, the place of virus budding.May act by binding cytoplasmic c-terminus of S.