Recombinant SARS-CoV-2 Methyltransferase / ME Protein (His Tag)

Catalog Number: PKSR030513

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

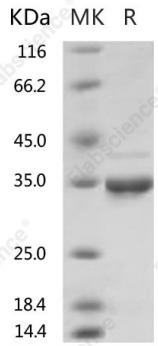
Description

Species	SARS-CoV-2
Source	E.coli-derived SARS-CoV-2 SARS-CoV-2 Methyltransferase / ME protein Ser6799-Asn7096, with an C-terminal His
Calculated MW	33.5 kDa
Accession	YP_009724390.1
Bio-activity	Not validated for activity

Properties

Purity	> 85% as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/ gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as sterile 20 mM Tris 150 mM NaCl, pH 8.3. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

Data



> 85 % as determined by reducing SDS-PAGE.

Background

Coronavirus encodes the 2'-O-MTase(2'O Methyltransferase) that is composed of the catalytic subunit nsp16 and the stimulatory subunit nsp10 and plays an important role in virus genome replication and evasion from innate immunity during viral infection. Nonstructural protein 16 (NSP16)/viral 2'O-methyltransferase (2'O-MTase) is highly conserved. The conserved 2'O-MTase activity is important for CoV pathogenesis and NSP16 is a conserved universal target for rapid live attenuated vaccine design in an expanding Coronavirus outbreak setting, such as COVID-19. Targeting on the 2'O-methylation pathway on SARS-CoV replication and pathogenesis can be the treatment options for vaccine and anti-viral durgs development which can against SARS-CoV-2, SARS-CoV, MERS-CoV or other RNA and DNA viruses.

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