

SARS-CoV-2 (2019-nCoV) Methyltransferase / ME-his Recombinant Protein



Sino Biological
Biological Solution Specialist

Catalog Number: 40598-V07E

General Information

Gene Name Synonym:

Methyltransferase, ME

Protein Construction:

A DNA sequence encoding the SARS-CoV-2 (2019-nCoV) Methyltransferase / ME (YP_009724389.1) (Ser6799-Asn7096) was expressed with a polyhistidine tag at the C-terminus.

Source: 2019-nCoV

Expression Host: E. coli

QC Testing

Purity: > 85 % as determined by SDS-PAGE.

Endotoxin:

Please contact us for more information.

Predicted N terminal: Met

Molecular Mass:

The recombinant SARS-CoV-2 (2019-nCoV) Methyltransferase / ME consists of 299 amino acids and predicts a molecular mass of 33.46 kDa.

Formulation:

Supplied as sterile 10mM Tris 250mM NaCl, 50% Glycerol pH 7.4.

Usage Guide

Stability & Storage:

Samples are stable for twelve months from date of receipt at -20°C to -80°C.

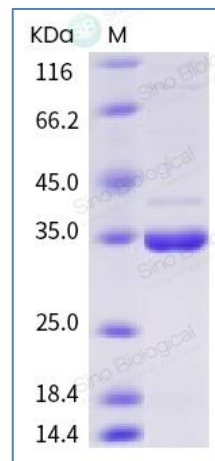
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

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. Targeting on the 2'O-methylation pathway on SARS-CoV replication and pathogenesis can be the treatment options for vaccine and anti-viral drugs development which can against SARS-CoV-2, SARS-CoV, MERS-CoV or other RNA and DNA viruses.