

This product is still under development. Please contact us if you have interest in this product. We will accelerate the development process accordingly and reserve this product for you as request.

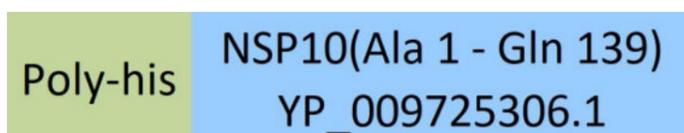
Synonym

NSP10,nsp10,GFL,Growth factor-like peptide,Non-structural protein 10,COVID-19

Source

SARS-CoV-2 NSP10, His Tag (NS0-C5147) is expressed from E.coli cells. It contains AA Ala 1 - Gln 139 (Accession # YP_009725306.1).

Predicted N-terminus: Met

Molecular Characterization

This protein carries a polyhistidine tag at the N-terminus.

The protein has a calculated MW of 16.7 kDa.

Endotoxin**Formulation**

Please contact us for detailed information.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

Background

NSP10, Plays a pivotal role in viral transcription by stimulating both nsp14 3'-5' exoribonuclease and nsp16 2'-O-methyltransferase activities. Therefore plays an essential role in viral mRNAs cap methylation. To ultimately combat the emerging COVID-19 pandemic, it is desired to develop an effective and safe vaccine against this highly contagious disease caused by the SARS-CoV-2 coronavirus. By investigating the entire proteome of SARS-CoV-2, six proteins, including the S protein and five non-structural proteins (nsp3, 3CL-pro, and nsp8-10) were predicted to be adhesins, which are crucial to the viral adhering and host invasion.

References

- (1) [Bouvet M, et al. Proc Natl Acad Sci U S A. 2012. 109\(24\):9372-7.](#)
- (2) [Edison Ong, et al. doi.org. 2020. 000141.](#)

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.