

NSP5 SARS-CoV2

Long Name:

NSP5 (1 - 306) SARS-CoV2

Catalog Number (DU Number):

DU67832

Accession:

QHD43415.1

Expression

bacteria

Terminus and Tag:

N-Term GST Cleaved

C-Term 6His Cleaved

Purification Method:

Cobalt Agarose

Calculated Molecular Mass:

Mono-Isotopic Mass: 33, 796.64 daltons after tag cleavage

Average Mass: 33, 774.50 daltons after tag cleavage

Purity:

90 %

Storage Buffer:

**50 mM Tris-HCl pH 7.5, 270 mM Sucrose, 150 mM NaCl, 0.1 mM EGTA, 0.1 % 2-mercaptoethanol,
0.03 % Brij-35**

Storage Temperature:

-70 °C

Theoretical PI:

5.95

Gel Information :

Gel Image 1:



Native Sequence:

**MSPILGYWKIKGLVQPTRLLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGDVKLTQS
MAIRYIADKHNMLGGCPKERAEISMLEGAVLDIRYGVSR IAYS KDFETLKVDFLSKLPEMLKMFEDRL
CHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIPQIDKYLKSSKYIAWPLQG
WQATFGGGDHPKSDLEVL FQG PLGSSGFRKMAFPSGKVEGCMVQVTCGTTTLNGLWLDDVVYCP
RHVICTSEDMLNP NYEDLLIRKSNHNFLVQAGNVQLRVIGHSMQNCVLKLVDTANPKTPKYKFVRIQ
PGQTFSVLACYNGSPSGVYQCAMRPNFTIKGSFLNGSCGSVGFNIDYDCVSFCYMHMELPTGVHA
GTDLEGNFYGPFVDRQTAQAAGTDTTITVNVLAWLYAAVINGDRWFLNRFTTTLNDFNLVAMKYNYE
PLTQDHVDILGPLSAQTGIAVLDMCASLKELLQNGMNGRTILGSALLEDEFTPFDVVRQCSGVTFQ**
Amino acids S1 – Q306 (end). Residue S237 of the fusion protein is equivalent to S1 of the native enzyme. The GST tag is located at residues 1 – 220 and the His6 tag is located at residues 545– 550. Has C-terminal 5' residues of NSP4 (residues 232 – 236) between PreScission site and N-terminus of NSP5 – corresponding to the cleavage site between NSP4 and NSP5 in the polyprotein of the SARS CoV virus to generate an authentic N-terminus during gene expression. The C-terminus encodes for a modified PreScission cleavage site before the His6 tag to generate an authentic C-terminus when cleaved, SGVTFQGP, residues 537 - 544.

Protease Cleavage:

Modified PreScission - SGVTFQGP, residues 537 - 544

Price per aliquot (100µg):
£110.00



University
of Dundee