

KORNBERG SEQNOSTICS

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Cat No : KS66413

Product:

Recombinant Protein NSP1 SARS-CoV2

Expression:

Bacteria

Tag and Terminus:

N-Term GST Uncleaved

Purification Method:

GSH-Agarose

Calculated molecular mass:

Mono-Isotopic Mass: 46, 569.73 daltons

Average Mass: 46, 599.47 daltons

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:

5.54

Gel Information :

Gel Image 1:



Native Sequence:

MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGDVK
LTQSMAIIRYIADKHNMLGGCPKERAIEISMLEGAVLDIRYGVSRAYSDFETLKVDLFLSKLPEML
KMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIPQIDKYLK
SSKYIAWPLQGWQATFGGGDHPPKSDLEVLVLFQGPLGSMESLVPGFNEKTHVQLSLPVLQVRD
VLVRGFGDSVEEVLSEARQHLKDGTCGLVEVEKGVLPQLEQPYVFIKRSDARTAPHGHVMVEL
VAELEGIQYGRSGETLGVLPVHVGEIPVAYRKVLLRKNGNKGAGGHSYGADLKSFDLGDELGT
DPYEDFQENWNTKHSSGVTRELMRELNGG

Amino acids M1 – G180 (end). Residue M232 of the fusion protein is equivalent to M1 of the native enzyme. The GST tag is located at residues 1 – 220.

Protease Cleavage:

PreScission (LEVLFQGP) residues 221 - 228