

Datasheet for ABIN7546287

SMU1 Protein (AA 1-513) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	SMU1
Protein Characteristics:	AA 1-513
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMU1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant SMU1 Protein expressed in mammalian cells.
Sequence:	MSIEIESSDV IRLIMQYLKE NSLHRALATL QEETTVSLNT VDSIESFVAD INSGHWDTVL QAIQSLKLPD KTLIDLYEQV VLELIELREL GAARSLLRQT DPMIMLKQTQ PERYIHLENL LARSYFDPRE AYPDGSSKEK RRAAIAQALA GEVSVVPPSR LMALLGQALK WQQHQGLLPP GMTIDLFRGK AAVKDVVEEK FPTQLSRHIK FGQKSHVECA RFSPDGQYLV TGSVDGFIEV WNFTTGKIRK DLKYQAQDNF MMMDDAVLCM CFSRDTEMLA TGAQDGKIKV WKIQSGQCLR RFERAHSGKV TCLSFSKDSS QILSASFDQT IRIHGLKSGK TLKEFRGHSS FVNEATFTQD GHYIISASSD GTVKIWNMKT TECSNTFKSL GSTAGTDITV NSVILLPKNP EHFVVCNRSN TVVIMNMQGQ IVRSFSSGKR EGGDFVCCAL SPRGEWIYCV GEDFVLYCFS TVTGKLERTL TVHEKDVIGI AHHPHQNLIA TYSEDGLLKL WKP Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Product Details

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	SMU1
Alternative Name:	SMU1 (SMU1 Products)
Background:	WD40 repeat-containing protein SMU1 (Smu-1 suppressor of mec-8 and unc-52 protein homolog) [Cleaved into: WD40 repeat-containing protein SMU1, N-terminally processed],FUNCTION: Involved in pre-mRNA splicing as a component of the spliceosome (PubMed:28781166). Regulates alternative splicing of the HSPG2 pre-mRNA (By similarity). Required for normal accumulation of IK (PubMed:24945353). Required for normal mitotic spindle assembly and normal progress through mitosis (By similarity). {ECO:0000250 UniProtKB:Q76B40, ECO:0000269 PubMed:24945353, ECO:0000269 PubMed:28781166, ECO:0000305}., FUNCTION: (Microbial infection) Required, together with IK, for normal splicing of influenza A virus NS1 pre-mRNA, which is required for the production of the exportin NS2 and for the production of influenza A virus particles. Not required for the production of VSV virus particles. {ECO:0000269 PubMed:24945353}.

Target Details

Molecular Weight: 57.5 kDa

UniProt: [Q2TAY7](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months