

Datasheet for ABIN7557216
SMU1 Protein (AA 1-513) (His tag)



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Overview

Quantity:	1 mg
Target:	SMU1
Protein Characteristics:	AA 1-513
Origin:	Mouse
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:	<p>MSIEIESSDV IRLIMQYLKE NSLHRALATL QEETTVSLNT VDSIESFVAD INSGHWDTVL</p> <p>QAIQSLKLPD KTLIDLYEQV VLELIELREL GAARSLLRQT DPMIMLKQTQ PERYIHLENL</p> <p>LARSYFDPRE AYPDGSSKEK RRAAIAQALA GEVSVVPPSR LMALLGQALK WQHQGGLLPP</p> <p>GMTIDLFRGK AAVKDVVEEK FPTQLSRHIK FGQKSHVECA RFSPDGQYLV TGSVDGFIEV</p> <p>WNFTTGKIRK DLKYQAQDNF MMMDDAVLCM CFSRDTEMLA TGAQDGKIKV WKIQSGQCLR</p> <p>RFERAHSGKV TCLSFSKDSS QILSASFQDT IRIHGLKSGK TLKEFRGHSS FVNEATFTQD</p> <p>GHYIISASSD GTVKIWNMKT TECSNTFKSL GSTAGTDITV NSVILLPKNP EHFVVCNRSN</p> <p>TVVIMNMQGQ IVRSFSSGKR EGGDFVCCAL SPRGEWIYCV GEDFVLYCFS TVTGKLERTL</p> <p>TVHEKDVIGI AHHPHQNLIA TYSEDGLLKL WKP Sequence without tag. The proposed</p> <p>Purification-Tag is based on experiences with the expression system, a different complexity</p> <p>of the protein could make another tag necessary. In case you have a special request, please</p> <p>contact us.</p>

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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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 (By similarity). Regulates alternative splicing of the HSPG2 pre-mRNA (By similarity). Required for normal accumulation of IK (By similarity). Required for normal mitotic spindle assembly and normal progress through mitosis (By similarity). {ECO:0000250 UniProtKB:Q2TAY7, ECO:0000250 UniProtKB:Q76B40}.
Molecular Weight:	57.5 kDa
UniProt:	Q3UKJ7

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