Datasheet for ABIN7545053

C16orf57 Protein (AA 1-265) (His tag)

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Overview

Quantity:	1 mg
Target:	C16orf57 (USB1)
Protein Characteristics:	AA 1-265
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This C16orf57 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant USB1 Protein expressed in mammalian cells.
Sequence:	MSAAPLVGYS SSGSEDESED GMRTRPGDGS HRRGQSPLPR QRFPVPDSVL NMFPGTEEGP EDDSTKHGGR VRTFPHERGN WATHVYVPYE AKEEFLDLLD VLLPHAQTYV PRLVRMKVFH LSLSQSVVLR HHWILPFVQA LKARMTSFHR FFFTANQVKI YTNQEKTRTF IGLEVTSGHA QFLDLVSEVD RVMEEFNLTT FYQDPSFHLS LAWCVGDARL QLEGQCLQEL QAIVDGFEDA EVLLRVHTEQ VRCKSGNKFF SMPLK **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.**
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.

Product Details

	• 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:	C16orf57 (USB1)
Alternative Name:	USB1 (USB1 Products)
Background:	U6 snRNA phosphodiesterase 1 (hUsb1) (3'-5' RNA exonuclease USB1) (EC 4.6.1.-) (Mutated in poikiloderma with neutropenia protein 1) (Mutated in PN protein 1) (hMpn1),FUNCTION: 3'-5' RNA exonuclease that trims the 3' end of oligo(U) and oligo(A) tracts of the pre-U6 small nuclear RNA (snRNA) molecule, leading to the formation of a mature U6 snRNA 3' end-terminated with a 2',3'-cyclic phosphate (PubMed:23022480, PubMed:22899009, PubMed:26213367, PubMed:31832688, PubMed:23190533, PubMed:28887445, PubMed:30215753). Participates in the U6 snRNA 3' end processing that prevents U6 snRNA degradation (PubMed:23022480, PubMed:22899009, PubMed:26213367, PubMed:31832688, PubMed:23190533, PubMed:28887445, PubMed:30215753). In addition also removes uridines from the 3' end of U6atac snRNA and possibly the vault RNA VTRNA1-1 (PubMed:26213367). {ECO:0000269|PubMed:22899009, ECO:0000269|PubMed:23022480, ECO:0000269|PubMed:23190533, ECO:0000269|PubMed:26213367, ECO:0000269|PubMed:28887445, ECO:0000269|PubMed:30215753, ECO:0000269|PubMed:31832688}.
Molecular Weight:	30.3 kDa

Target Details

UniProt:	Q9BQ65

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