Datasheet for ABIN7555877

UBE3C Protein (AA 1-1083) (His tag)

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Overview

Quantity:	1 mg
Target:	UBE3C
Protein Characteristics:	AA 1-1083
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This UBE3C protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant UBE3C Protein expressed in mammalian cells.
Sequence:	MFSFEGDFKT RPKVSLGGAS RKEEKASLLH RTQEERRKRE EERRRLKNAI IIQSFIRGYR DRKQQYSIQR SAFDRCATLS QSGGAFPIAN GPNLTLLVRQ LLFFYKQNED SKRLIWLYQN LIKHSSLFVK QLDGSERLTC LFQIKRLMSL CCRLLQNCND DSLNVALPMR MLEVFSSENT YLPVLQDASY VVSVIEQILH YMIHNGYYRS LYLLINSKLP SSIEYSDLSR VPIAKILLEN VLKPLHFTYN SCPEGARQQV FTAFTEEFLA APFTDQIFHF IIPALADAQT VFPYEPFLNA LLLIESRCSR KSGGAPWLFY FVLTVGENYL GALSEEGLLV YLRVLQTFLS QLPVSPASAS CHDSASDSEE ESEEADKPSS PEDGRLSVSY ITEECLKKLD TKQQTNTLLN LVWRDSASEE VFTTMASVCH TLMVQHRMMV PKVRLLYSLA FNARFLRHLW FLISSMSTRM ITGSMVPLLQ VISRGSPMSF EDSSRIIPLF YLFSSLFSHS LISIHDNEFF GDPIEVVGQR QSSMMPFTLE ELIMLSRCLR DACLGIIKLA YPETKPEVRE EYITAFQSIG VTTSSEMQQC IQMEQKRWIQ LFKVITNLVK MLKSRDTRRN FCPPNHWLSE QEDIKADKVT QLYVPASRHV WRFRRMGRIG PLQSTLDVGL ESPPLSVSEE RQLAVLTELP FVVPFEERVK IFQRLIYADK QEVQGDGPFL

Product Details

	DGINVTIRRN YIYEDAYDKL SPENEPDLKK RIRVHLLNAH GLDEAGIDGG GIFREFLNEL LKSGFNPNQG FFKTTNEGLL YPNPAAQMLV GDSFARHYYF LGRMLGKALY ENMLVELPFA GFFLSKLLGT SADVDIHHLA SLDPEVYKNL LFLKSYEDDV EELGLNFTVV NNDLGEAQVV ELKFGGKDIP VTSANRIAYI HLVADYRLNR QIRQHCLAFR QGLANVVSLE WLRMFDQQEI QVLISGAQVP ISLEDLKSFT NYSGGYSADH PVIKVFWRVV EGFTDEEKRK LLKFVTSCSR PPLLGFKELY PAFCIHNGGS DLERLPTAST CMNLLKLPEF YDETLLRSKL LYAIECAAGF ELS **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. • 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:	UBE3C
Alternative Name:	UBE3C (UBE3C Products)
Background:	Ubiquitin-protein ligase E3C (EC 2.3.2.26) (HECT-type ubiquitin transferase E3C) (Homologous to E6AP carboxyl terminus homologous protein 2) (HectH2) (RTA-associated ubiquitin ligase)

Target Details

	(RAUL),FUNCTION: E3 ubiquitin-protein ligase that specifically catalyzes 'Lys-29'- and 'Lys-48'-linked polyubiquitin chains (PubMed:11278995, PubMed:12692129, PubMed:16341092, PubMed:16601690, PubMed:24811749, PubMed:24158444, PubMed:25752573, PubMed:25752577, PubMed:34239127, PubMed:33637724, PubMed:32039437). Accepts ubiquitin from the E2 ubiquitin-conjugating enzyme UBE2D1 in the form of a thioester and then directly transfers the ubiquitin to targeted substrates (PubMed:9575161, PubMed:32039437). Associates with the proteasome and promotes elongation of ubiquitin chains on substrates bound to the 26S proteasome (PubMed:24158444, PubMed:28396413, PubMed:31375563). Also catalyzes 'Lys-29'- and 'Lys-48'-linked ubiquitination of 26S proteasome subunit ADRM1/RPN13 in response to proteotoxic stress, impairing the ability of the proteasome to bind and degrade ubiquitin-conjugated proteins (PubMed:24811749, PubMed:31375563). Acts as a negative regulator of autophagy by mediating 'Lys-29'- and 'Lys-48'-linked ubiquitination of PIK3C3/VPS34, promoting its degradation (PubMed:33637724). Can assemble unanchored poly-ubiquitin chains in either 'Lys-29'- or 'Lys-48'-linked polyubiquitin chains, with some preference for 'Lys-48' linkages (PubMed:11278995, PubMed:16601690, PubMed:25752577). Acts as a negative regulator of type I interferon by mediating 'Lys-48'-linked ubiquitination of IRF3 and IRF7, leading to their degradation by the proteasome (PubMed:21167755). Catalyzes ubiquitination and degradation of CAND2 (PubMed:12692129). {ECO:0000269|PubMed:11278995, ECO:0000269|PubMed:12692129, ECO:0000269|PubMed:16341092, ECO:0000269|PubMed:16601690, ECO:0000269|PubMed:21167755, ECO:0000269|PubMed:24158444, ECO:0000269|PubMed:24811749, ECO:0000269|PubMed:25752573, ECO:0000269|PubMed:25752577, ECO:0000269|PubMed:28396413, ECO:0000269|PubMed:31375563, ECO:0000269|PubMed:32039437, ECO:0000269|PubMed:33637724, ECO:0000269|PubMed:34239127, ECO:0000269|PubMed:9575161}.
Molecular Weight:	123.9 kDa
UniProt:	Q15386

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