Datasheet for ABIN7555919

UBE2O Protein (AA 1-1292) (His tag)

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Overview

Quantity:	1 mg
Target:	UBE2O
Protein Characteristics:	AA 1-1292
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This UBE2O protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant UBE2O Protein expressed in mammalian cells.
Sequence:	MADPAAPTPA APAPAQAPAP APEAVPAPAA APVPAPAPAS DSASGPSSDS GPEAGSQRLL FSHDLVSGRY RGSVHFGLVR LIHGEDSDSE GEEEGRGSSG CSEAGGAGHE EGRASPLRRG YVRVQWYPEG VKQHVKETKL KLEDRSVVPR DVVRHMRSTD SQCGTVIDVN IDCAVKLIGT NCIIYPVNSK DLQHIWPFMY GDYIAYDCWL GKVYDLKNQI ILKLSNGARC SMNTEDGAKL YDVCPHVSDS GLFFDDSYGF YPGQVLIGPA KIFSSVQWLS GVKPVLSTKS KFRVVVEEVQ VVELKVTWIT KSFCPGGTDS VSPPPSVITQ ENLGRVKRLG CFDHAQRQLG ERCLYVFPAK VEPAKIAWEC PEKNCAQGEG SMAKKVKRLL KKQVVRIMSC SPDTQCSRDH SMEDPDKKGE SKTKSEAESA SPEETPDGSA SPVEMQDEGA EEPHEAGEQL PPFLLKEGRD DRLHSAEQDA DDEAADDTDD TSSVTSSASS TTSSQSGSGT SRKKSIPLSI KNLKRKHKRK KNKITRDFKP GDRVAVEVVT TMTSADVMWQ DGSVECNIRS NDLFPVHHLD NNEFCPGDFV VDKRVQSCPD PAVYGVVQSG DHIGRTCMVK WFKLRPSGDD VELIGEEEDV SVYDIADHPD FRFRTTDIVI RIGNTEDGAP HKEDEPSVGQ VARVDVSSKV EVVWADNSKT IILPQHLYNI ESEIEESDYD

	SVEGSTSGAS SDEWEDDSDS WETDNGLVED EHPKIEEPPI PPLEQPVAPE DKGVVISEEA ATAAVQGAVA MAAPMAGLME KAGKDGPPKS FRELKEAIKI LESLKNMTVE QLLTGSPTSP TVEPEKPTRE KKFLDDIKKL QENLKKTLDN VAIVEEEKME AVPDVERKED KPEGQSPVKA EWPSETPVLC QQCGGKPGVT FTSAKGEVFS VLEFAPSNHS FKKIEFQPPE AKKFFSTVRK EMALLATSLP EGIMVKTFED RMDLFSALIK GPTRTPYEDG LYLFDIQLPN IYPAVPPHFC YLSQCSGRLN PNLYDNGKVC VSLLGTWIGK GTERWTSKSS LLQVLISIQG LILVNEPYYN EAGFDSDRGL QEGYENSRCY NEMALIRVVQ SMTQLVRRPP EVFEQEIRQH FSTGGWRLVN RIESWLETHA LLEKAQALPN GVPKASSSPE PPAVAELSDS GQQEPEDGGP APGEASQGSD SEGGAQGLAS ASRDHTDQTS ETAPDASVPP SVKPKKRRKS YRSFLPEKSG YPDIGFPLFP LSKGFIKSIR GVLTQFRAAL LEAGMPECTE DK **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:	UBE2O
Alternative Name:	UBE2O (UBE2O Products)
Background:	(E3-independent) E2 ubiquitin-conjugating enzyme (EC 2.3.2.24) (E2/E3 hybrid ubiquitin-protein ligase UBE2O) (Ubiquitin carrier protein O) (Ubiquitin-conjugating enzyme E2 O) (Ubiquitin-conjugating enzyme E2 of 230 kDa) (Ubiquitin-conjugating enzyme E2-230K) (Ubiquitin-protein ligase O),FUNCTION: E2/E3 hybrid ubiquitin-protein ligase that displays both E2 and E3 ligase activities and mediates monoubiquitination of target proteins (PubMed:23455153, PubMed:24703950). Negatively regulates TRAF6-mediated NF-kappa-B activation independently of its E2 activity (PubMed:23381138). Acts as a positive regulator of BMP7 signaling by mediating monoubiquitination of SMAD6, thereby regulating adipogenesis (PubMed:23455153). Mediates monoubiquitination at different sites of the nuclear localization signal (NLS) of BAP1, leading to cytoplasmic retention of BAP1. Also able to monoubiquitinate the NLS of other chromatin-associated proteins, such as INO80 and CXXC1, affecting their subcellular location (PubMed:24703950). Acts as a regulator of retrograde transport by assisting the TRIM27:MAGEL2 E3 ubiquitin ligase complex to mediate 'Lys-63'-linked ubiquitination of WASHC1, leading to promote endosomal F-actin assembly (PubMed:23452853). {ECO:0000269|PubMed:23381138, ECO:0000269|PubMed:23452853, ECO:0000269|PubMed:23455153, ECO:0000269|PubMed:24703950}.
Molecular Weight:	141.3 kDa
UniProt:	Q9C0C9

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.

Handling

Expiry Date:	12 months