Datasheet for ABIN7555937

USP11 Protein (AA 1-963) (His tag)

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Overview

Quantity:	1 mg
Target:	USP11
Protein Characteristics:	AA 1-963
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This USP11 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant USP11 Protein expressed in mammalian cells.
Sequence:	MAVAPRLFGG LCFRFRDQNP EVAVEGRLPI SHSCVGCRRE RTAMATVAAN PAAAAAAVAA AAAVTEDREP QHEELPGLDS QWRQIENGES GRERPLRAGE SWFLVEKHWY KQWEAYVQGG DQDSSTFPGC INNATLFQDE INWRLKEGLV EGEDYVLLPA AAWHYLVSWY GLEHGQPPIE RKVIELPNIQ KVEVYPVELL LVRHNDLGKS HTVQFSHTDS IGLVLRTARE RFLVEPQEDT RLWAKNSEGS LDRLYDTHIT VLDAALETGQ LIIMETRKKD GTWPSAQLHV MNNNMSEEDE DFKGQPGICG LTNLGNTCFM NSALQCLSNV PQLTEYFLNN CYLEELNFRN PLGMKGEIAE AYADLVKQAW SGHHRSIVPH VFKNKVGHFA SQFLGYQQHD SQELLSFLLD GLHEDLNRVK KKEYVELCDA AGRPDQEVAQ EAWQNHKRRN DSVIVDTFHG LFKSTLVCPD CGNVSVTFDP FCYLSVPLPI SHKRVLEVFF IPMDPRRKPE QHRLVVPKKG KISDLCVALS KHTGISPERM MVADVFSHRF YKLYQLEEPL SSILDRDDIF VYEVSGRIEA IEGSREDIVV PVYLRERTPA RDYNNSYYGL MLFGHPLLVS VPRDRFTWEG LYNVLMYRLS RYVTKPNSDD EDDGDEKEDD EEDKDDVPGP STGGSLRDPE PEQAGPSSGV TNRCPFLLDN CLGTSQWPPR RRRKQLFTLQ

Product Details

	TVNSNGTSDR TTSPEEVHAQ PYIAIDWEPE MKKRYYDEVE AEGYVKHDCV GYVMKKAPVR LQECIELFTT VETLEKENPW YCPSCKQHQL ATKKLDLWML PEILIIHLKR FSYTKFSREK LDTLVEFPIR DLDFSEFVIQ PQNESNPELY KYDLIAVSNH YGGMRDGHYT TFACNKDSGQ WHYFDDNSVS PVNENQIESK AAYVLFYQRQ DVARRLLSPA GSSGAPASPA CSSPPSSEFM DVN **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:	USP11
Alternative Name:	USP11 (USP11 Products)
Background:	Ubiquitin carboxyl-terminal hydrolase 11 (EC 3.4.19.12) (Deubiquitinating enzyme 11) (Ubiquitin thioesterase 11) (Ubiquitin-specific-processing protease 11),FUNCTION: Protease that can remove conjugated ubiquitin from target proteins and polyubiquitin chains (PubMed:12084015, PubMed:15314155, PubMed:17897950, PubMed:19874889, PubMed:20233726,

Target Details

	PubMed:28992046, PubMed:24724799). Inhibits the degradation of target proteins by the proteasome (PubMed:12084015). Cleaves preferentially 'Lys-6' and 'Lys-63'-linked ubiquitin chains. Has lower activity with 'Lys-11' and 'Lys-33'-linked ubiquitin chains, and extremely low activity with 'Lys-27', 'Lys-29' and 'Lys-48'-linked ubiquitin chains (in vitro) (PubMed:24724799). Plays a role in the regulation of pathways leading to NF-kappa-B activation (PubMed:17897950, PubMed:19874889). Plays a role in the regulation of DNA repair after double-stranded DNA breaks (PubMed:15314155, PubMed:20233726). Acts as a chromatin regulator via its association with the Polycomb group (PcG) multiprotein PRC1-like complex, may act by deubiquitinating components of the PRC1-like complex (PubMed:20601937). Promotes cell proliferation by deubiquitinating phosphorylated E2F1 (PubMed:28992046). {ECO:0000269|PubMed:15314155, ECO:0000269|PubMed:17897950, ECO:0000269|PubMed:18408009, ECO:0000269|PubMed:19874889, ECO:0000269|PubMed:20233726, ECO:0000269|PubMed:24724799, ECO:0000269|PubMed:28992046}.
Molecular Weight:	109.8 kDa
UniProt:	P51784

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