Datasheet for ABIN7555923

USP35 Protein (AA 1-1018) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	USP35
Protein Characteristics:	AA 1-1018
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This USP35 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant USP35 Protein expressed in mammalian cells.
Sequence:	MDKILEAVVT SSYPVSVKQG LVRRVLEAAR QPLEREQCLA LLALGARLYV GGAEELPRRV GCQLLHVAGR HHPDVFAEFF SARRVLRLLQ GGAGPPGPRA LACVQLGLQL LPEGPAADEV FALLRREVLR TVCERPGPAA CAQVARLLAR HPRCVPDGPH RLLFCQQLVR CLGRFRCPAE GEEGAVEFLE QAQQVSGLLA QLWRAQPAAI LPCLKELFAV ISCAEEEPPS SALASVVQHL PLELMDGVVR NLSNDDSVTD SQMLTAISRM IDWVSWPLGK NIDKWIIALL KGLAAVKKFS ILIEVSLTKI EKVFSKLLYP IVRGAALSVL KYMLLTFQHS HEAFHLLLPH IPPMVASLVK EDSNSGTSCL EQLAELVHCM VFRFPGFPDL YEPVMEAIKD LHVPNEDRIK QLLGQDAWTS QKSELAGFYP RLMAKSDTGK IGLINLGNTC YVNSILQALF MASDFRHCVL RLTENNSQPL MTKLQWLFGF LEHSQRPAIS PENFLSASWT PWFSPGTQQD CSEYLKYLLD RLHEEEKTGT RICQKLKQSS SPSPPEEPPA PSSTSVEKMF GGKIVTRICC LCCLNVSSRE EAFTDLSLAF PPPERCRRRR LGSVMRPTED ITARELPPPT SAQGPGRVGP RRQRKHCITE DTPPTSLYIE GLDSKEAGGQ SSQEERIERE EEGKEERTEK EEVGEEEEST RGEGEREKEE EVEEEEEKVE

Product Details

	KETEKEAEQE KEEDSLGAGT HPDAAIPSGE RTCGSEGSRS VLDLVNYFLS PEKLTAENRY YCESCASLQD AEKVVELSQG PCYLILTLLR FSFDLRTMRR RKILDDVSIP LLLRLPLAGG RGQAYDLCSV VVHSGVSSES GHYYCYAREG AARPAASLGT ADRPEPENQW YLFNDTRVSF SSFESVSNVT SFFPKDTAYV LFYRQRPREG PEAELGSSRV RTEPTLHKDL MEAISKDNIL YLQEQEKEAR SRAAYISALP TSPHWGRGFD EDKDEDEGSP GGCNPAGGNG GDFHRLVF **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:	USP35
Alternative Name:	USP35 (USP35 Products)
Background:	Ubiquitin carboxyl-terminal hydrolase 35 (EC 3.4.19.12) (Deubiquitinating enzyme 35) (Ubiquitin thioesterase 35) (Ubiquitin-specific-processing protease 35),FUNCTION: Deubiquitinase that plays a role in different processes including cell cycle regulation, mitophagy or endoplasmic

Target Details

	reticulum stress (PubMed:26348204, PubMed:29449677, PubMed:37004621). Inhibits TNFalpha-induced NF-kappa-B activation through stabilizing TNIP2 protein via deubiquitination (PubMed:26348204). Plays an essential role during mitosis by deubiquitinating and thereby regulating the levels of Aurora B/AURKB protein (PubMed:29449677). In addition, regulates the protein levels of other key component of the chromosomal passenger complex (CPC) such as survivin/BIRC5 or Borealin/CDCA8 by enhancing their stability (PubMed:34438346). Regulates the degradation of mitochondria through the process of autophagy termed mitophagy (PubMed:25915564). {ECO:0000269|PubMed:25915564, ECO:0000269|PubMed:26348204, ECO:0000269|PubMed:29449677, ECO:0000269|PubMed:34438346, ECO:0000269|PubMed:37004621}.
Molecular Weight:	113.4 kDa
UniProt:	Q9P2H5

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