Datasheet for ABIN7562055

OTUD7B Protein (AA 1-840) (His tag)

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Overview

Quantity:	1 mg
Target:	OTUD7B
Protein Characteristics:	AA 1-840
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OTUD7B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Otud7b Protein expressed in mammalian cells.
Sequence:	MTLDMDAVLS DFVRSTGAEP GLARDLLEGK NWDVSAALSD FEQLRQVHAG NLSPPFSGGS TCPKTPEKGG SDREPTRPSR PILQRQDDVI QEKRLSRGIS HASSSIVSLA RSHVSSNGGG GGSSEHPLEM PICAFQLPDL TVYKEDFRSF IERDLIEQSM LVALEQAGRL NWWVSMDSTC QRLLPLATTG DGNCLLHAAS LGMWGFHDRD LVLRKALYAL MEKGVEKEAL RRRWRWQQTQ QNKESGLVYT EDEWQKEWNE LIKLASSEPR MHLGSNGASG GGVESSEEPV YESLEEFHVF VLAHVLKRPI VVVADTMLRD SGGEAFAPIP FGGIYLPLEV PASQCHRSPL VLAYDQAHFS ALVSMEQKES AKEQAVIPLT DSEHKLLPLH FAVDPGKGWE WGKDDNDNVR LASIILSLEV KLHLLHSYMN VKWIPLSSDS QAPLAQPESP TASAGDEPRS TPESGESDKE SVGSSSLGNE GSRRKEKSKR DREKDKKRAD SVANKLGSFG KTLGSKLKKN MGGLMHSKGP KPGGLGSGSG ISSGTETLEK KKKNNTLKSW KGGKEEAAGD GPVSEKPPSE SVGNGGSKYS QEVMQSLSTM RIAMQGEGKY IFVGTLKMGH RHQYQEEMIQ RYLADAEERF LAEQKQKEVE RKIMNGGLVS GPPPAKKPEP DGGEDQPSDS PAEPKAMAFS TAYPGGFTIP RPSGGGVHCQ EPRRQLAGGP

Product Details

	CVGGLPSYAT FPRQYPGRPY PHQDNIPALE PGKDGVHRGA LLPPQFRVAD SYSNGYREPP EPDGWAGAPR GLPPTQTKCK QPNCSFYGHP ETNNLCSCCY REELRRRERE PGGELLAHRF **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:	OTUD7B
Alternative Name:	Otud7b (OTUD7B Products)
Background:	OTU domain-containing protein 7B (EC 3.4.19.12) (Cellular zinc finger anti-NF-kappa-B protein) (Zinc finger A20 domain-containing protein 1) (Zinc finger protein Cezanne),FUNCTION: Negative regulator of the non-canonical NF-kappa-B pathway that acts by mediating deubiquitination of TRAF3, an inhibitor of the NF-kappa-B pathway, thereby acting as a negative regulator of B-cell responses. In response to non-canonical NF-kappa-B stimuli, deubiquitinates 'Lys-48'-linked polyubiquitin chains of TRAF3, preventing TRAF3 proteolysis and over-activation

Target Details

	of non-canonical NF-kappa-B (PubMed:23334419). Negatively regulates mucosal immunity against infections (PubMed:23334419). Deubiquitinates ZAP70, and thereby regulates T cell receptor (TCR) signaling that leads to the activation of NF-kappa-B (PubMed:26903241). Plays a role in T cell homeostasis and is required for normal T cell responses, including production of IFNG and IL2 (PubMed:26903241). Mediates deubiquitination of EGFR (By similarity). Has deubiquitinating activity toward 'Lys-11', 'Lys-48' and 'Lys-63'-linked polyubiquitin chains. Has a much higher catalytic rate with 'Lys-11'-linked polyubiquitin chains (in vitro), however the physiological significance of these data are unsure. Hydrolyzes both linear and branched forms of polyubiquitin (By similarity). {ECO:0000250|UniProtKB:Q6GQQ9, ECO:0000269|PubMed:23334419, ECO:0000269|PubMed:26903241}.
Molecular Weight:	92.0 kDa
UniProt:	B2RUR8

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

