

Datasheet for ABIN7554863
OTUD7B Protein (AA 1-843) (His tag)



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Overview

Quantity:	1 mg
Target:	OTUD7B
Protein Characteristics:	AA 1-843
Origin:	Human
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:	<p>MTLDMDAVLS DFVRSTGAEP GLARDLLEGK NWDVNAALSD FEQLRQVHAG NLPPSFSEGS GGRTPEKGF SDREPTRPPR PILQRQDDIV QEKRLSRGIS HASSIVSLA RSHVSSNGGG GGSNEHPLEM PICAFLPDL TVYNEDFRSF IERDLIEQSM LVALEQAGRL NWWWVSDPTS QRLPLATTG DGNCLLHAAS LGMWGFHDRD LMLRKALYAL MEKGVEKEAL KRRWRWQQTQ QNKESGLVYT EDEWQKEWNE LIKLASSEPR MHLGTNGANC GGVESSEEPV YESLEEFHVF VLAHVLRPI VVADTMLRD SGGEAFPIF FGGIYLPLEV PASQCHRSPL VLAYDQAHFS ALVSMEQKEN TKEQAVIPLT DSEYKLLPLH FAVDPGKGWE WGKDDSDNVR LASVILSLEV KLHLLHSYMN VKWIPLSSDA QAPLAQPESP TASAGDEPRS TPESGDSDKE SVGSSSTSNE GGRRKEKSKR DREKDKKRAD SVANKLGSFG KTLGSKLKN MGGLMHSKGS KPGGVGTGLG GSSGTETLEK KKKNSLKSWK GGKEEAAGDG PVSEKPPAES VGNGGSKYSQ EVMQSLILR TAMQGEGKFI FVGTLMGHR HQYQEEMIQR YLSDAERFL AEQKQKEAER KIMNGGIGGG PPPAKKPEPD AREEQPTGPP AESRAMAFST GYPGDFITPR PSGGGVHCQE PRRQLAGGPC</p>

Product Details

VGGLPPYATF PRQCPPGRPY PHQDSIPSLE PGSHSKDGLH RGALLPPPYR VADSYSNGYR
EPPEPDGWAG GLRGLPPTQT KCKQPNCSEFY GHPETNNFCS CCYREELRRR EREPDGELLV HRF

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) (Cezanne) (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

Target Details

over-activation of non-canonical NF-kappa-B. Negatively regulates mucosal immunity against infections (By similarity). 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 (By similarity). Mediates deubiquitination of EGFR (PubMed:22179831). Has deubiquitinating activity toward 'Lys-11', 'Lys-48' and 'Lys-63'-linked polyubiquitin chains (PubMed:27732584). Has a much higher catalytic rate with 'Lys-11'-linked polyubiquitin chains (in vitro), however the physiological significance of these data are unsure (PubMed:27732584). Hydrolyzes both linear and branched forms of polyubiquitin. {ECO:0000250|UniProtKB:B2RUR8, ECO:0000269|PubMed:11463333, ECO:0000269|PubMed:12682062, ECO:0000269|PubMed:18178551, ECO:0000269|PubMed:20622874, ECO:0000269|PubMed:22179831, ECO:0000269|PubMed:23827681, ECO:0000269|PubMed:27732584}.

Molecular Weight: 92.5 kDa

UniProt: [Q6GQQ9](#)

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