

Ubiquitin Aldehyde Binding 1 Recombinant Protein | OTUB1 recombinant protein

Recombinant Human Ubiquitin Aldehyde Binding 1

CATALOG #
AAA38764

HOST
E Coli

PRODUCT SYNONYMS

Ubiquitin Aldehyde Binding 1; Recombinant Human Ubiquitin Aldehyde Binding 1; OTUB1 Human; Ubiquitin Aldehyde Binding 1 Human Recombinant; Ubiquitin thioesterase OTUB1; Otubain-1; OTU domain-containing ubiquitin aldehyde-binding protein 1; Ubiquitin-specific-processing protease OTUB1; Deubiquitinating enzyme OTUB1; OTUB1; OTB1; OTU1; HSPC263; MGC4584; FLJ20113; FLJ40710; MGC111158; OTUB1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% as determined by SDS-PAGE.
Form/Format	The OTUB1 solution contains 20mM Tris buffer (pH 8.0) and 10% glycerol. Sterile Filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSHMAA EEPQQKQEP LGSDSEGVNC LAYDEAIMAQ QDRIQQEIAV QNPLVSELE LSVLYKEYAE DDNIYQQKIK DLHKKYSYIR KTRPDGNCFY RAFGFSHLEA LLDDSKELQR FKAVSAKSKE DLVSQGFTEF TIEDFHNTFM DLIEQVEKQT SVADLLASFN DQSTDYLVV YLRLLTSGYL QRESKFFEHF IEGGRTVKEF CQQEVEPMCK ESDHIHIAL AQALSVSIQV EYMDRGEGGT TNPHIFPEGS EPKVYLLYRP GHYDILYK
Sequence Length	271
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for OTUB1 recombinant protein	Description: OTUB1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E Coli is a single, non-glycosylated, polypeptide chain containing 291 amino acids (1- 271 a.a.) and having a molecular mass of 33.4kDa. The OTUB1 is purified by proprietary chromatographic techniques. Introduction: Otubain 1 (OTUB1) belongs to the ovarian tumor (OUT) superfamily of predicted cysteine proteases and inhibits cytokine gene transcription in the immune system through its interaction with a ubiquitin protease and E3 ubiquitin ligase. OTUB1 is a highly specific ubiquitin iso-peptidase, it cleaves ubiquitin from branched poly-ubiquitin chains but not from ubiquitinated substrates. OTUB1 is believed to work in specific ubiquitin-dependent pathways, possibly by providing an editing function of polyubiquitin chain growth. OTUB1 is a hydrolase that removes conjugated ubiquitin from proteins in vitro and may therefore have a significant regulatory role in the level of protein turnover by preventing degradation. Additionally, OTUB1 is a regulator of T-cell anergy, a phenomenon that occurs when T-cells are rendered impassive to antigen re-challenge and no longer respond to their cognate antigen. OTUB1 acts via its interaction with RNF128/GRAIL, which is an essential inductor of CD4 T-cell anergy.
Product Categories/Family for OTUB1 recombinant protein	Recombinant & Natural Proteins ; Recombinant Proteins ; Ubiquitin

NCBI AND UNIPROT INFORMATION

NCBI GI #	109148508
NCBI GeneID	55611

NCBI Accession #	NP_060140.2
NCBI GenBank Nucleotide #	NM_017670.2
UniProt Accession #	Q96FW1 ; Q32Q78 ; Q96II3 ; Q9NXQ4 ; Q9P0B8
Molecular Weight	35,285 Da
NCBI Official Full Name	ubiquitin thioesterase OTUB1
NCBI Official Synonym Full Names	OTU deubiquitinase, ubiquitin aldehyde binding 1
NCBI Official Symbol	OTUB1
NCBI Official Synonym Symbols	OTB1; OTU1; HSPC263
NCBI Protein Information	ubiquitin thioesterase OTUB1; OTU domain, ubiquitin aldehyde binding 1; OTU domain-containing ubiquitin aldehyde-binding protein 1; OTU-domain Ubal-binding 1; deubiquitinating enzyme OTUB1; otubain-1; ubiquitin-specific protease otubain 1; ubiquitin-specific-processing protease OTUB1
UniProt Protein Name	Ubiquitin thioesterase OTUB1
UniProt Gene Name	OTUB1
UniProt Synonym Gene Names	OTB1; OTU1; hOTU1
UniProt Entry Name	OTUB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/otub1-recombinant-protein-e-coli/38764>