

Recombinant Human OTUB1, His-tagged

Cat. No. OTUB1-28250TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 1-165 of Human OTUB1 with an N terminal His tag. Predicted MWt: 20 kDa;
Species	Human
Source	E.coli
ProteinLength	1-165 a.a.
Description	The product of this gene is a member of the OTU (ovarian tumor) superfamily of predicted cysteine proteases. The encoded protein is a highly specific ubiquitin isopeptidase, and cleaves ubiquitin from branched poly-ubiquitin chains but not from ubiquitinated substrates. It interacts with another ubiquitin protease and an E3 ubiquitin ligase that inhibits cytokine gene transcription in the immune system. It is proposed to function in specific ubiquitin-dependent pathways, possibly by providing an editing function for polyubiquitin chain growth. Alternative splicing results in multiple transcript variants.
Conjugation	HIS
Tissue specificity	Isoform 1 is ubiquitous. Isoform 2 is expressed only in lymphoid tissues such as tonsils, lymph nodes and spleen, as well as peripheral blood mononuclear cells.
Form	Lyophilised:Reconstitute with 125 µl aqua dest.

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Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
Sequences of amino acids	MAAEEPQQKQEPLGSDSEGVNCLAYDEAIMAQQDRIQQE IAVQNPLVSRLELSV LYKEYAEDDNIYQQKIKDLHKK YSYIRKTRPDGNCFYRAFGFSHLEALLDDSKELQR FKA VSAKSKEDLVSQGFTEFTIEDFHNTFMDLIEQVEKQTSVA DLLASFNDQ
Sequence Similarities	Belongs to the peptidase C65 family. Contains 1 OTU domain.

GENE INFORMATION

Gene Name	OTUB1 OTU domain, ubiquitin aldehyde binding 1 [Homo sapiens]
Official Symbol	OTUB1
Synonyms	OTUB1; OTU domain, ubiquitin aldehyde binding 1; ubiquitin thioesterase OTUB1; FLJ20113; FLJ40710;
Gene ID	55611
mRNA Refseq	NM_017670
Protein Refseq	NP_060140
MIM	608337
Uniprot ID	Q96FW1
Chromosome	11q13.1

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Location**Function**

NEDD8-specific protease activity; cysteine-type peptidase activity; omega peptidase activity; peptidase activity; protein binding;

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