

Recombinant Full Length Human OTUB1 Protein, His tagged

Cat. No. OTUB1-482H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant OTuB1 protein (1-271 aa) was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-271 aa
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.
Form	Liquid in 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Molecular Mass	33.4 kDa (291aa) confirmed by MALDI-TOF
AASequence	MAAEEPQQQKQEPLGSDSEGVNCLAYDEAIMAQQDRIQQEIAVQNPLVSERLELSV LYKEYAEDDNIYQQKIKDLHKKYSYIRKTRPDGNCFYRAFGFSHLEALLDDSKELQRF KAVSAKSKEDLVSQGFTEFTIEDFHNTFMDLIEQVEKQTSVADLLASFNDQSTSDYLV

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	VYLRLLTSGYLQRESKFFEHFIEGGRTVKEFCQQEVEPMCKESDHIHIALAQLSVSI QVEYMDRGEAGTTNPHIFPEGSEPKVYLLYRPGHYDILYK
Purity	> 95% by SDS-PAGE
Applications	SDS-PAGE
Notes	For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/mL (determined by Bradford assay)
GENE INFORMATION	
Gene Name	OTUB1 OTU domain, ubiquitin aldehyde binding 1 [Homo sapiens (human)]
Official Symbol	OTUB1
Synonyms	OTUB1; OTU domain, ubiquitin aldehyde binding 1; ubiquitin thioesterase OTUB1; FLJ20113; FLJ40710; otubain-1; OTU-domain Ubal-binding 1; deubiquitinating enzyme OTUB1; ubiquitin-specific protease otubain 1; ubiquitin-specific-pr centigradeessing protease OTUB1; OTU domain-containing ubiquitin aldehyde-binding protein 1; OTB1; OTU1; HSPC263; MGC4584; MGC111158;
Gene ID	55611
mRNA Refseq	NM_017670

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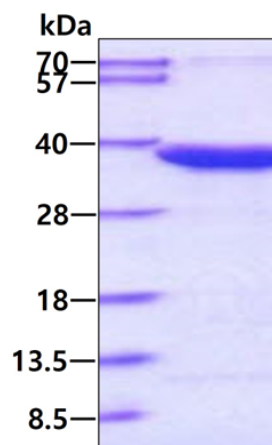
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Protein Refseq NP_060140

MIM 608337

UniProt ID Q96FW1

SDS-PAGE and WB



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