

Recombinant Human OTUB2, His-tagged

Cat. No. OTUB2-30525TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, (amino acids 1-234) of Human OTUB2 with N terminal His tag; 254 amino acids, 29.4 kDa.
Species	Human
Source	E.coli
ProteinLength	234 amino acids
Description	This gene encodes one of several deubiquitylating enzymes. Ubiquitin modification of proteins is needed for their stability and function; to reverse the process, deubiquitylating enzymes remove ubiquitin. This protein contains an OTU domain and binds Ubal (ubiquitin aldehyde); an active cysteine protease site is present in the OTU domain.
Conjugation	HIS
Molecular Weight	29.400kDa inclusive of tags
Tissue specificity	Widely expressed. Expressed at higher level in brain.
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 0.02% DTT, 10% Glycerol, 0.29% Sodium chloride
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMSETSFNLISEKCDILSILR DHPENRIYRRKIEELSK RFTAIRKTKGDGNCFYRALGYSY LESLLGKSREIFKFKERVLQTPNDLLAAGFEEHK FRNFFN AFYSVVELVEKDGVSLLKVFNDQSASDHIVQFLRLLTS AFIRNRADFFR HFIDEEMDIKDFCTHEVEPMATECDHIQI TALSQALSIALQVEYVDEMDTALNHHVFP EAATPSVYLLY KTSHYNILYAADKH
Sequence Similarities	Belongs to the peptidase C65 family. Contains 1 OTU domain.

GENE INFORMATION

Gene Name	OTUB2 OTU domain, ubiquitin aldehyde binding 2 [Homo sapiens]
Official Symbol	OTUB2
Synonyms	OTUB2; OTU domain, ubiquitin aldehyde binding 2; C14orf137, chromosome 14 open reading frame 137; ubiquitin thioesterase OTUB2; FLJ21916; MGC3102;
Gene ID	78990
mRNA Refseq	NM_023112
Protein Refseq	NP_075601
MIM	608338

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Uniprot ID	Q96DC9
Chromosome Location	14q32.13-q32.2
Function	cysteine-type peptidase activity; omega peptidase activity; peptidase activity; ubiquitin-specific protease activity; ubiquitin-specific protease activity;

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