

Active Recombinant Human OTUD6A, His-tagged

Cat. No. OTUD6A-166H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human OTUD6A (amino acid residues 1-288), fused with N-terminal His, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-288 a.a.
Description	OTUD6A is a cysteine protease and is a member of the OTU (ovarian tumour) superfamily of proteins (Balakirev et al., 2003). Cloning of the human gene was first described by Kayagaki et al. (2007). OTU enzymes play important roles as negative-feedback regulators in NF-κB signalling, interferon signalling and in p97 (cdc48)-mediated processes although the cellular functions of most OTU enzymes remain to be discovered.
Form	50 mM HEPES pH 7.5, 150 mM sodium chloride, 2 mM dithiothreitol, 10% glycerol
Bio-activity	Deubiquitylase Enzyme Assay: The activity of 6His-OTUD6A was validated by determining the increase in fluorescence measured as a result of the enzyme catalysed cleavage of the fluorogenic substrate Ubiquitin-Rhodamine110-Glycine generating Ubiquitin and Rhodamine110-Glycine. Incubation of the substrate in the presence or absence of 6His-OTUD6A was compared confirming the deubiquitylating activity of 6His-OTUD6A.

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Molecular Mass	35.8 kDa
Purity	>98% by SDS-PAGE
Storage	12 months at -70°C. Avoid multiple freeze/thaw cycles.
Concentration	0.5 mg/ml

GENE INFORMATION

Gene Name	OTUD6A OTU domain containing 6A [Homo sapiens]
Official Symbol	OTUD6A
Synonyms	OTUD6A; OTU domain containing 6A; OTU domain-containing protein 6A; DUBA2; FLJ25831; HSHIN6; DUBA-2; HIN-6 protease;
Gene ID	139562
mRNA Refseq	NM_207320
Protein Refseq	NP_997203
MIM	300714
UniProt ID	Q7L8S5
Chromosome Location	Xq13.1

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