Active Recombinant Human OTUD6B, GST-tagged

Cat. No. OTUD6B-179H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human OTUD3 (amino acid residues 1-629), fused with N-terminal GST, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-629 a.a.
Description	OTUD6B 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 GST-OTUD6B 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 GST-OTUD6B was compared confirming the deubiquitylating activity of GST-OTUD6B.

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Molecular Mass	~64 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	OTUD6B OTU domain containing 6B [Homo sapiens]
Official Symbol	OTUD6B
Synonyms	OTUD6B; OTU domain containing 6B; OTU domain-containing protein 6B; CGI 77; DUBA5; DUBA-5; CGI-77;
Gene ID	51633
mRNA Refseq	NM_016023
Protein Refseq	NP_057107
MIM	612021
UniProt ID	Q8N6M0
Chromosome Location	8q21.3

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