Recombinant Full Length Human OTUD5 Protein, C-Flag-tagged

Cat. No. OTUD5-2009HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human OTUD5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the OTU (ovarian tumor) domain-containing cysteine protease superfamily. The OTU domain confers deubiquitinase activity and the encoded protein has been shown to suppress the type I interferon-dependent innate immune response by cleaving the polyubiquitin chain from an essential type I interferon adaptor protein. Cleavage results in disassociation of the adaptor protein from a downstream signaling complex and disruption of the type I interferon signaling cascade. Alternatively spliced transcript variants encoding different isoforms have been described.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	60.4 kDa
AA Sequence	MTILPKKKPPPPDADPANEPPPPGPMPPAPRRGGGVGVGGGGTGVGGGDRDRDS GVVGARPRASPPPQGP LPGPPGALHRWALAVPPGAVAGPRPQQASPPPCGGPG GPGGGPGDALGAAAAGVGAAGVVVGVGGAVGVG GCCSGPGHSKRRRQAPGVG AVGGGSPEREEVGAGYNSEDEYEAAAARIEAMDPATVEQQEHWFEKALRDK KGFII

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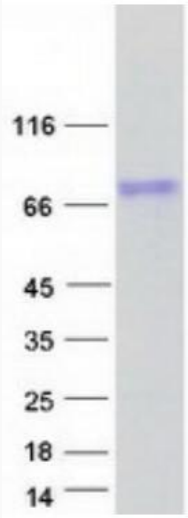
	KQMKEDGACLFRAVADQVYGDQDMHEVVRKHCMDYLMKNADYFSNYVTEDFTTYI NRKRKNNCHG NHIEMQAMAEMYNRPVEVYQYSTGTSAVEPINTFHGIHQNEDEPIR VSYHRNIHYNSVVNPNKATIGVGL GLPSFKPGFAEQSLMKNAIKTSEESWIEQQMLE DKKRATDWEATNEAIEEQVARESYLQWLRDQEKQARQ VRGPSQPRKASATCSSA TAAASSGLEEWTSRSPRQRSSASSPEHPELHAELGMKPPSPGTVLALAKPPSP CA PGTSSQFSAGADRATSPLVSLYPALECRALIQQMSPSAFGLNDWDDDEILASVLAVS QQEYLDSMKKN KVHRDPPPDKS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Protease
Protein Pathways	RIG-I-like receptor signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name	OTUD5 OTU deubiquitinase 5 [Homo sapiens (human)]
Official Symbol	OTUD5

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Synonyms	DUBA; MCAND
Gene ID	55593
mRNA Refseq	NM_017602.4
Protein Refseq	NP_060072.1
MIM	300713
UniProt ID	Q96G74



Coomassie blue staining of purified OTUD5 protein.

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