

## Recombinant Human OTUD7B Protein (T2-F843), Tag Free

Cat. No. OTUD7B-0721H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human (GG)-OTUD7B(T2-F843 end) Protein was expressed in Insect cell.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	T2-F843
<b>Description</b>	Negative regulator of the non-canonical NF-kappa-B pathway that acts by mediating deubiquitination of TRAF3, an inhibitor of the NF-kappa-B pathway, thereby acting as a negative regulator of B-cell responses. In response to non-canonical NF-kappa-B stimuli, deubiquitinates 'Lys-48'-linked polyubiquitin chains of TRAF3, preventing TRAF3 proteolysis and over-activation of non-canonical NF-kappa-B. Negatively regulates mucosal immunity against infections. Deubiquitinates ZAP70, and thereby regulates T cell receptor (TCR) signaling that leads to the activation of NF-kappa-B. Plays a role in T cell homeostasis and is required for normal T cell responses, including production of IFNG and IL2. Mediates deubiquitination of EGFR. Has deubiquitinating activity toward 'Lys-11', 'Lys-48' and 'Lys-63'-linked polyubiquitin chains. Has a much higher catalytic rate with 'Lys-11'-linked polyubiquitin chains (in vitro); however the physiological significance of these data are unsure. Hydrolyzes both linear and branched forms of polyubiquitin.
<b>Form</b>	Liquid

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<b>Endotoxin</b>	< 0.01 EU per µg of the protein
<b>Purity</b>	90%
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Storage Buffer</b>	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
<b>Shipping</b>	It is shipped out with blue ice.

## GENE INFORMATION

<b>Gene Name</b>	OTUD7B OTU domain containing 7B [ <i>Homo sapiens</i> (human) ]
<b>Official Symbol</b>	OTUD7B
<b>Synonyms</b>	OTUD7B; OTU domain containing 7B; ZA20D1, zinc finger, A20 domain containing 1; OTU domain-containing protein 7B; CEZANNE; zinc finger protein Cezanne; zinc finger, A20 domain containing 1; cellular zinc finger anti-NF-kappaB Cezanne; zinc finger A20 domain-containing protein 1; cellular zinc finger anti-NF-kappa-B protein; ZA20D1;
<b>Gene ID</b>	56957
<b>mRNA Refseq</b>	NM_020205
<b>Protein Refseq</b>	NP_064590

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<b>MIM</b>	611748
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<b>UniProt ID</b>	Q6GQQ9
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