

## Product datasheet for TP514175

### Otud7b (NM\_001025613) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse OTU domain containing 7B (Otud7b), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR214175 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MTLDMDAVLSDFVRSTGAEPGLARDLLEGGKNDVSAALSDFEQLRQVHAGNLSPPFSGGSTCPKTPEKGG  
SDREPTRPSRPILQRQDDVIQEKRLSRGISHASSIVSLARSHVSSNGGGGSSEHPLEMPICAFQLPDL  
TVYKEDFRSFIERDLIEQSMLVALEQAGRLNWWVSMSTCQRLPLATTGDGNCLLHAASLGMWGFHDRD  
LVLRKALYALMEKGVEKEALRRRWRWQQTQQNKESGLVYTEDEWQKEWNELIKLASSEPRMHLGNSGASG  
GGVESSEEPVYESLEEFHVFLAHVLRPIVWVADTMLRDSGGEAFPIPFGGIYLPLEVPASQCHRSP  
VLAYDQAHFSALVSMEQKESAKEQAVIPLTDSEHKLLPLHFAVDPGKGWEWGKDDNDNVRLASIILSLEV  
KLHLLHSYMNKWIPLSSDSQAPLAQPESPTASAGDEPRSTPESGESDKESVSSSLGNEGSRRKEKSKR  
DREKDKKRADSVANKLGSFGKTLGSKLKNMGLMHSKGPKPGGLGSGSGISSGTETLEKKNNTLKS  
KGGKEEAAGDGPVSEKPPSESVGNGGSKYSQEVMSLSTMRIAMQEGEKYIFVGLTKMGHRHQYQEEMIQ  
RYLADAEERFLAEQKQKEVERKIMNGGLVSGPPPAPKPEPDGGEDQPSDSPAEPKAMAFSTAYPGGFTIP  
RPSGGGVHQCQEPRLQLAGGPCVGGPLSYATFPRQYGRPYPHQDNIPALEPGKDGVHRGALLPPQFRVAD  
SYSNGYREPPEDGWAGAPRGLPPTQTCKCKQPNCSFYGHPETNNLSCCYREELRRREREPGGELLAHRF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	92 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001020784</a>
<b>Locus ID:</b>	229603
<b>UniProt ID:</b>	<a href="#">B2RUR8</a>
<b>RefSeq Size:</b>	8101
<b>Cytogenetics:</b>	3 F2.1
<b>RefSeq ORF:</b>	2523
<b>Synonyms:</b>	2900060B22Rik; 4930463P07Rik; AI462125; CEZANNE; Travid2; Za20d1
<b>Summary:</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 (PubMed:23334419). Negatively regulates mucosal immunity against infections (PubMed:23334419). Deubiquitinates ZAP70, and thereby regulates T cell receptor (TCR) signaling that leads to the activation of NF-kappa-B (PubMed:26903241). Plays a role in T cell homeostasis and is required for normal T cell responses, including production of IFNG and IL2 (PubMed:26903241). Mediates deubiquitination of EGFR (By similarity). 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 (By similarity).[UniProtKB/Swiss-Prot Function]