

Product datasheet for **TP309932M**

Cezanne (OTUD7B) (NM_020205) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human OTU domain containing 7B (OTUD7B), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209932 protein sequence Red =Cloning site Green =Tags(s)

MTLDMDAVLSDFVRSTGAEPGLARDLLEGGKNWDVNAALSDFEQLRQVHAGNLPPSFSEGGSGSRTPEKGF
SDREPTRPPRPILQRQDDIVQEKRLSRGISHASSIVSLARSHVSSNGGGGGSNEHPLEMPICAFQLPDL
TVYNEDFRSFIERDLIEQSMLVALEQAGRLNWWVSVDPTSQRLLPLATTGDGNCLLHAASLGMWGFHDR
D
LMLRKALYALMEKGVEKEALKRRWRWQQTTQQNKESGLVYTEDEWQKEWNELIKLASSEPRMHLGTNGA
NC
GGVESSEEPVYESLEEFHVFLAHVLRPIVWVADTMLRDSGGGEAFAPIPFGGIYLPLEVPASQCHRSPL
VLAYDQAHFSALVSMEQKENTKEQAVIPLTDSEYKLLPLHFAVDPGKGWEWGKDDSDNVRLASVILSLEV
KLHLLHSYMNVKWIPLSSDAQAPLAQPESPTASAGDEPRSTPESGSDKESVGSSTSNEGGRRKEKSKR
DREKDKKRADSVANKLGSFGKTLGSKLKKNMGGLMHSGKSGKPGGVGTGLGGSSGTETLEKKKKNSLKS
W
K
GGKEEAAGDGPVSEKPPAESVGNNGGSKYSQEVMSLSILRTAMQGEGKFIFVGTLMGHRHQYQEEMI
QR
YLSDAEERFLAEQKQKEAERKIMNGGIGGGPPPAKKPEPDAREEQPTGPPAESRAMAFSTGYPGDFTIPR
PSGGGVHCQEP RRQLAGGPCVGLPPYATFPRQCPRPYPHQDSIPSLEPGSHSKDGLHRGALLPPPY
R
VADSYNGYREPPDPGWAGGLRGLPPTQTKCKQPNC SFYGH PETNNFCSCCYREELRRREREPDGELLV
HRF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

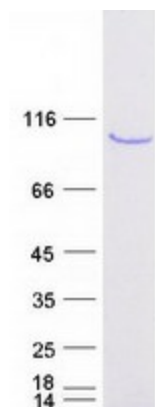
Tag:	C-Myc/DDK
Predicted MW:	92.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method



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Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_064590
Locus ID:	56957
UniProt ID:	Q6GQQ9
RefSeq Size:	6415
Cytogenetics:	1q21.2
RefSeq ORF:	2529
Synonyms:	CEZANNE; ZA20D1
Summary:	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 (By similarity). 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 (By similarity). Mediates deubiquitination of EGFR (PubMed:22179831). Has deubiquitinating activity toward 'Lys-11', 'Lys-48' and 'Lys-63'-linked polyubiquitin chains (PubMed:27732584). Has a much higher catalytic rate with 'Lys-11'-linked polyubiquitin chains (in vitro); however the physiological significance of these data are unsure (PubMed:27732584). Hydrolyzes both linear and branched forms of polyubiquitin. [UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified OTUD7B protein (Cat# [TP309932]). The protein was produced from HEK293T cells transfected with OTUD7B cDNA clone (Cat# [RC209932]) using MegaTran 2.0 (Cat# [TT210002]).