

## Product datasheet for TP503606

### Otub1 (NM\_134150) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse OTU domain, ubiquitin aldehyde binding 1 (Otub1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203606 protein sequence Red=Cloning site Green=Tags(s)
	MAAEPPQQQKQEPLGSDSEGVNCLAYDEAIMAQDRIQQEIAVQNPLVSRLELSVLYKEYAEDDNIYQQ KIKDLHKKYSYIRKTRPDGNCFYRAFGFSHLEALLDDSKELQRFKAVSAKSKEDLVSQGFTEFTIEDFHN TFMDLIEQVEKQTSVADLLASFNDQSTSDYLWVYLRLLTSGYLQRESKFFEHFIEGGRTVKEFCQQEVEP MCKESDHIHIIALAQALSVSISIQVEYMDRGEGETTNPVHFPEGSEPKVYLLYRPGHYDILYK
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	31.3 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.
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:	<a href="#">NP_598911</a>
Locus ID:	107260
UniProt ID:	<a href="#">Q7TQI3</a>
RefSeq Size:	1677



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Cytogenetics: 19 A

RefSeq ORF: 816

Synonyms: AI850305

**Summary:** Hydrolase that can specifically remove compared to 'Lys-48'-linked conjugated ubiquitin from proteins and plays an important regulatory role at the level of protein turnover by preventing degradation. Regulator of T-cell anergy, a phenomenon that occurs when T-cells are rendered unresponsive to antigen rechallenge and no longer respond to their cognate antigen. Acts via its interaction with RNF128/GRAIL. Surprisingly, it regulates RNF128-mediated ubiquitination, but does not deubiquitinate polyubiquitinated RNF128. Deubiquitinates estrogen receptor alpha (ESR1). Mediates deubiquitination of 'Lys-48'-linked polyubiquitin chains, but not 'Lys-63'-linked polyubiquitin chains. Not able to cleave di-ubiquitin. Also capable of removing NEDD8 from NEDD8 conjugates, but with a much lower preference compared to 'Lys-48'-linked ubiquitin.[UniProtKB/Swiss-Prot Function]