

Product datasheet for TP502766

Uchl3 (NM_016723) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse ubiquitin carboxyl-terminal esterase L3 (ubiquitin thiolesterase) (Uchl3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202766 representing NM_016723 Red =Cloning site Green =Tags(s) MEGQRWLPLEANPEVTNQFLKQLGLHPNWQFVDVYGMPELLSMVPRPVCALLLPITEKYEVRTEEE EKIKSQGDVTSSVYFMKQTISNACGTIGLIHAIANNKDKMHFESGSTLKKFLEESVMSPEERAKFLEN YDAIRVTHETSAHEGQTEAPSIDEKVDLHFIALVHVDGHLIELDGRKPFIPINHGKTSDETLLEDAIEVCK KFMERDPDELRFNAIALSAA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	26.6 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:	NP_057932
Locus ID:	50933
UniProt ID:	Q9JKB1 , Q8BWQ9
RefSeq Size:	947



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Cytogenetics: 14 50.9 cM

RefSeq ORF: 690

Summary: Deubiquitinating enzyme (DUB) that controls levels of cellular ubiquitin through processing of ubiquitin precursors and ubiquitinated proteins. Thiol protease that recognizes and hydrolyzes a peptide bond at the C-terminal glycine of either ubiquitin or NEDD8. Has a 10-fold preference for Arg and Lys at position P3", and exhibits a preference towards 'Lys-48'-linked ubiquitin chains. Deubiquitinates ENAC in apical compartments, thereby regulating apical membrane recycling. Indirectly increases the phosphorylation of IGFIR, AKT and FOXO1 and promotes insulin-signaling and insulin-induced adipogenesis. Required for stress-response retinal, skeletal muscle and germ cell maintenance. May be involved in working memory. Can hydrolyze UBB(+1), a mutated form of ubiquitin which is not effectively degraded by the proteasome.[UniProtKB/Swiss-Prot Function]