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Product datasheet for TP522445

Trim13 (NM_023233) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse tripartite motif-containing 13 (Trim13), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR222445 representing NM_023233 Red=Cloning site Green=Tags(s) MELLEEDLTCPICCSLFDDPRVLPCSHNFCKKCLEGLLEGNVRNSLWRPSPFKCPTCRKETSATGVNSLQ VNYSLKGIVEKYNKIKISPKMPVCKGHLGQPLNIFCVTDMQLICGICATRGEHTKHVFSSIEDAYAREKN AFESLFQSFETWRRGDALSRLDTLETNKRKALQLLTKDSDKVKEFFEKLQHTLDQKKNEILSDFETMKLA VMQTYDPEINKINTILQEQRMAFNIAEAFKDVSEPIIFLQQMQEFREKIKVIKETPLPHSNLPTSPLMKN FDTSQWGDIKLVDVDKLSLPQDTGVFTSKIPWYPYLLLMMVVLLGLLIFFGPTVFLEWSPLDELATWKDY LSSFNSYLTKSADFIEQSVFYWEQMTDGFFIFGERVKNVSLVALNNVAEFICKYKLL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	47.4 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_075722
Locus ID:	66597
UniProt ID:	Q9CYB0

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RefSeq Size:	1578
Cytogenetics:	14 D1
RefSeq ORF:	1221
Synonyms:	3110001L12Rik; CAR; LEU5; Rfp2; RNF77
Summary:	Endoplasmic reticulum (ER) membrane anchored E3 ligase involved in the retrotranslocation and turnover of membrane and secretory proteins from the ER through a set of processes named ER-associated degradation (ERAD). This process acts on misfolded proteins as well as in the regulated degradation of correctly folded proteins. Enhances ionizing radiation-induced p53/TP53 stability and apoptosis via ubiquitinating MDM2 and AKT1 and decreasing AKT1 kinase activity through MDM2 and AKT1 proteasomal degradation. Regulates ER stress-induced autophagy, and may act as a tumor suppressor. Plays also a role in innate immune response by stimulating NF-kappa-B activity in the TLR2 signaling pathway. Ubiquitinates TRAF6 via the 'Lys-29'-linked polyubiquitination chain resulting in NF-kappa-B activation. Participates as well in T-cell receptor-mediated NF-kappa-B activation. In the presence of TNF, modulates the IKK complex by regulating IKBKG/NEMO ubiquitination leading to the repression of NF-kappa-B.[UniProtKB/Swiss-Prot Function]