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Product datasheet for TP502794

Psmd10 (NM_016883) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse proteasome (prosome, macropain) 26S subunit, non-ATPase, 10 (Psmd10), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202794 protein sequence Red=Cloning site Green=Tags(s) MEGCVSNIMICNLAYSGKLDELKERILADKSLATRTDQDSRTALHWACSAGHTEIVEFLLQLGVPVNDKD DAGWSPLHIAASAGRDEIVKALLVKGAHVNAVNQNGCTPLHYAASKNRHEIAVMLLEGGANPDAKDHYDA TAMHRAAAKGNLKMVHILLFYKASTNIQDTEGNTPLHLACDEERVEEAKFLVTQGASIYIENKEEKTPLQ VAKGGLGLILKRLAESEEASM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	25.1 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_058579
Locus ID:	53380
UniProt ID:	Q9Z2X2
RefSeq Size:	1456

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Cytogenetics:	X F1
RefSeq ORF:	696
Synonyms:	AW554874
Summary:	Acts as a chaperone during the assembly of the 26S proteasome, specifically of the PA700/19S regulatory complex (RC). In the initial step of the base subcomplex assembly is part of an intermediate PSMD10:PSMC4:PSMC5:PAAF1 module which probably assembles with a PSMD5:PSMC2:PSMC1:PSMD2 module (By similarity). Independently of the proteasome, regulates EGF-induced AKT activation through inhibition of the RHOA/ROCK/PTEN pathway, leading to prolonged AKT activation. Plays an important role in RAS-induced tumorigenesis. [UniProtKB/Swiss-Prot Function]