

Product datasheet for **TP525613**

Prom1 (NM_008935) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse prominin 1 (Prom1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR225613 representing NM_008935 Red =Cloning site Green =Tags(s)

MALVFSALLLLGLCGKISSEGQPAFHNTPGAMNYELPTTKYETQDTFNAGIVGPLYKMOVHIFLNVVQPND
FPLDLIKKLIQNKNFDISVDSKEIALYEIGVLICAILGLLFIILMPLVGCFFCMCRCCNKCGGEMHQRQK
QNAPCRRKCLGLSLLVICLLMSLGIYGFVANQQTRTRIKGTQKLAKSNFRDFQTLTETPKQIDYVVEQ
YTNTKNKAFSDLDGIGSVLGGRIKDQLKPKVTPVLEEIKAMATAIKQTKDALQNMSSSLKSLQDAATQLN
TNLSSVRNSIENSLSSDCTSDPASKICDSIRPSLSSLGSSLNSSQLPSVDRELNTVTEVDKTDLESVK
RGYTTIDEIPNTIQNQTVDIVKDKNTLDSISSNIKDMQSIPIDMLLQVSHYLNNSNRYLNQELPKLE
EYDSYWWLGGGLIVCFLLTLIVTFFFLGLLCGVFGYDKHATPTRRGCVSNTGGIFLMAGVGFGLFCWILM
ILVVLTFVVGANVEKLLCEPYENKLLQVLDTPYLLKEQWQFYLSGMLFNNPDINMTFEQVYRDCKRGRG
IYAAFQLENVNVSDHFNIDQISENINTELENLNVNIDSIELLDNTGRKSLEDFAHSGIDTIDYSTYLKE
TEKSPTEVNLLTFASTLEAKANQLPEGKQAFLLDVQNIQRAIHQHLLPPVQQLNLTNRQSVWTLQQTSN
KLPEKVKKILASLDSVQHFLTNNVSLVIGETKKFGKILGYFEHYLHWWFYAITEKMTSCKPMATAMDS
AVNGILCGYVADPLNLFWFGIGKATVLLLPAVIAIKLAKYRRMDSSEDVYDDVETVPMKNLEIGSNGYH
KDHLYGVHNPVMTSPSRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	96.6 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.



[View online >](#)

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_032961
Locus ID:	19126
UniProt ID:	Q8CDK8 , Q8R056 , G3X9J8
RefSeq Size:	3739
Cytogenetics:	5 B3
RefSeq ORF:	2574
Synonyms:	4932416E19Rik; AC133; CD133; Prom; Prom-1; Proml1
Summary:	May play a role in cell differentiation, proliferation and apoptosis. Binds cholesterol in cholesterol-containing plasma membrane microdomains and may play a role in the organization of the apical plasma membrane in epithelial cells. During early retinal development acts as a key regulator of disk morphogenesis (PubMed:19228982). Involved in regulation of MAPK and Akt signaling pathways. In neuroblastoma cells suppresses cell differentiation such as neurite outgrowth in a RET-dependent manner.[UniProtKB/Swiss-Prot Function]