

Product datasheet for TP526249

Ptpa (NM_008980) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse protein tyrosine phosphatase, receptor type, A (Ptpa), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226249 representing NM_008980 Red=Cloning site Green=Tags(s)

MDSWFILVLFSGSLIHVSANNATTVSPSLGTTTRLIKTSTTELAKEENKTSNSTSSVISLSVAPTFSPNLT
LEPTYVTTVNSSSHSDNGTRRAASTESGGTTISPNGSWLIENQFTDAITEPWEGNSSTAATTPETFPPE
TPIIIVMVALSSLLVIVFIIIVLYMLRFKQAGSHNSFRLSNGRTEDVEPQSVPLLARSPSTNRKYP
PLPVDKLEEEINRRMADDNKLFREEFNALPACPIQATCEAASKEENKEKNRYVNILPFLSLAVSKDAVKA
LNKTTPLLERRFIGKSNSRGCLSDDHSRVHLPVEGVPSDYINASFINGYQEKNFIAAQGPKEETVND
FWRMIWEQNTATIVMVTNLKERKECKCAQYWPDQGCWYGNVRSVEDVTVLVDYTVRKFICIQQVGDVTN
RKPQRLITQFHFTSWPDFGVPFTPIGMLKFLKVKACNPQYAGAIIVHCSAGVGRGTGFVVIDAMLDMMH
SERKVDVYGFVSRIARQCQMVQTDQMYYFIYQALLEHYLYGDTELEVTSLETHLQKIYNKIPGTSNNG
EEEFKLTISIQNDKMRGTGNLPANMKNRVLQIIPYEFNRVVIIPVKRGEENTDYVNASFIDGYRQKDSY
IASQGPLLHTIEDFWRMIWEWKSCSIVMLTELEERGQEKCAQYWPSDGLVSYGDITVELKKEECESYTV
RDLLVTNTRENKSRQIRQFHFGWPEVGIPSDGKGMINIIAAVQKQQQSGNHPITVHCSAGAGRTGTFC
ALSTVLERVKAEGILDVVFQTVKSLRLQRPHMVQTLEQYEFYKVVQEYIDAFSDYANFK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	94.1 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.



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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_033006
Locus ID:	19262
UniProt ID:	P18052 , Q91V35 , Q3TRY9
RefSeq Size:	3609
Cytogenetics:	2 63.23 cM
RefSeq ORF:	2487
Synonyms:	Ptpa; Ptpalpha; Rptpalph; Rptr; Rptralpha
Summary:	Tyrosine protein phosphatase which is involved in integrin-mediated focal adhesion formation (PubMed:22801373). Following integrin engagement, specifically recruits BCAR3, BCAR1 and CRK to focal adhesions thereby promoting SRC-mediated phosphorylation of BRAC1 and the subsequent activation of PAK and small GTPase RAC1 and CDC42 (PubMed:22801373). [UniProtKB/Swiss-Prot Function]