

Product datasheet for TP519967

Ptpa (NM_138748) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse protein phosphatase 2 protein activator (Ptpa), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR219967 representing NM_138748 Red=Cloning site Green=Tags(s)

MAEGERQPPPDSSSEETPPTTQNFIIIPKKEIHTVPDMGKWKRSQAYADYIGFILTLNEGKGGKCLTFDYKV
SEAIEKLVALLDLDLDRWIDETPPVDQPSRFGNKAYRTWYAKLDQEAENLVATVVPHTLAAAVPEVAVYLK
EAVGNSTRIDYGTGHEAAFAAFLCCLCKIGVLRVDDQVAIVFKVFDRLVEMRKLQKTYRMEPAGSQGVW
GLDDFQFLPFIWGSSQLIDHPHLEPRHFVDEKAIVSENHKDYMFLLQILFITEMKTGPFAEHSNQLWNISA
VPSWSKVNQGLIRMYKAECLEKFPVIQHFKFGSLLPIHPVTSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	37.2 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_620087
Locus ID:	110854
UniProt ID:	P58389 , Q543N6



[View online »](#)

RefSeq Size:	2577
Cytogenetics:	2 21.71 cM
RefSeq ORF:	969
Synonyms:	2610042B21Rik; C77440; N28142; Ppp2r4; PR53
Summary:	<p>PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. Acts as a regulatory subunit for serine/threonine-protein phosphatase 2A (PP2A) modulating its activity or substrate specificity, probably by inducing a conformational change in the catalytic subunit, a proposed direct target of the PPIase. Can reactivate inactive phosphatase PP2A-phosphatase methylesterase complexes (PP2A(i)) in presence of ATP and Mg(2+). Reversibly stimulates the variable phosphotyrosyl phosphatase activity of PP2A core heterodimer PP2A(D) in presence of ATP and Mg(2+) (in vitro). The phosphotyrosyl phosphatase activity is dependent of an ATPase activity of the PP2A(D):PPP2R4 complex. Is involved in apoptosis; the function appears to be independent from PP2A (By similarity).[UniProtKB/Swiss-Prot Function]</p>