

Product datasheet for TP510585

Ptpn12 (NM_011203) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse protein tyrosine phosphatase, non-receptor type 12 (Ptpn12), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210585 representing NM_011203 Red=Cloning site Green=Tags(s)

MEQVEILRRFIQRVQAMKSPDHNGEDNFARDFMRLRRLSTKYRTEKIYPTATGEKEENVKKNRYKDILPF
DHSRVKLTLLKTPSQSDYINANFIKGVYGPAYVATQGPLANTVIDFWRMIWEYNVVIIVMACREFEMGR
KKCERYWPLYGEDPITFAPFKISCENEQARTDYFIRTLLEFQNESRRLYQFHVNWPDHDPSSFDSIL
DMISLMRKYQEHEDEVPICIHCSAGCGRTGAICAIDYTWNLLKAGKPIEEFNFNLIQEMRTQRHSAVQTK
EQYELVHRAIAQLFEKQLQLYEIHGAQKIADGNEITGTMVSSIDSEKQDSPPPKPPRTRSCLEVGDAKE
EILQPPEPHVPVPIILTPSPSAFPTVTTVWQSDRYHPKPVLHMASPEQHPADLNRSYDKSADPMGKSES
AIEHIDKKLERNLSFEIKKVPQLQEGPKSFDGNTLLNRGHAIKISASSSVDRTSKQPELSAGALKVDDV
SQNSCADCSAAHSHRAAESSEESQNSHTPPRPDCLPLDKKGHVTVSLHGPENATPVPDPSDGDGKSPDNHS
QTLKTVSSTPNSTAEAAHDLTEHHNSSPLLKAPLSFTNPLHSDDSDSDGSSDGAVTRNKTSISTASAT
VSPASSAESACTRRVLPMSIARQEVAGTPHSGAEKDADVSEESPPPLPERTPESFVLADMPVRPEWHELP
NQEWSEQRESEGLTTSNGNEKHDAGGIHTEASADSPPAFSDKKDQITKSPAEVTDIGFGNRCGKPKGPREP
PSEWT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	87 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_035333
Locus ID:	19248
UniProt ID:	P35831
RefSeq Size:	3190
Cytogenetics:	5 A3
RefSeq ORF:	2325
Synonyms:	P19-PTP; PTP-P19; PTP-PEST; PTPG1
Summary:	Dephosphorylates a range of proteins, and thereby regulates cellular signaling cascades (PubMed:17070019). Dephosphorylates cellular tyrosine kinases, such as ERBB2 and PTK2B/PYK2, and thereby regulates signaling via ERBB2 and PTK2B/PYK2. Selectively dephosphorylates ERBB2 phosphorylated at 'Tyr-1112', 'Tyr-1196', and/or 'Tyr-1248' (By similarity).[UniProtKB/Swiss-Prot Function]