

Product datasheet for TP509281

Ptpn11 (NM_011202) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse protein tyrosine phosphatase, non-receptor type 11 (Ptpn11), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209281 protein sequence Red=Cloning site Green=Tags(s)

MTSRRWFHPNITGVEAENLLLTRGVDGSFLARPSKSNPGDFTLSVRRNGAVTHIKIQNTGDYYDLYGGEK
FATLAELVQYYMEHHGQLKEKNGDVIELKYPLNCADPTSERWFHGHLSGKEAEKLLTEKGKHGSFLVRES
QSHPGDFVLSVRTGDDKGESNDGKSKVTHVMIRCQELKYDVGGERFDSLTDLVEHYKKNPMVETLGTVL
QLKQPLNTRINAAEIESRVRELSKLAETTDKVKQGFWEFETLQQQECKLLYSRKEGQRQENKKNRYK
NILPFDHTRVVLHDGDPNEPVSVDYINANIIMPEFETKCNNSPKKSYIATQGCLQNTVNDFWRMVFQENS
RVIVMTTKEVERGKSKCVKYPDEYALKEYGVMRVRNVKESAAHDYTLRELKLSKVGQALLQGNTERTVW
QYHFRTWPDHGVPSDPGGVLDLFLVHVKQESIVDAGPVVHCSAGIGRTGTFIMIDILIDIIREKGVDC
DIDVPKTIQMVRSQRSGMVQTEAQYRFIYMAVQHYIETLQRRIEEQKSKRKGHEYTNIKYSLVDQTSGD
QSLPPTPTPPCAEMREDSARVYENVGLMQQQRFR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

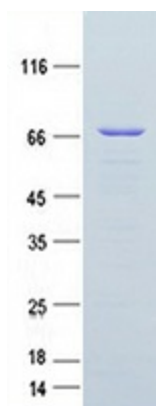
Tag:	C-MYC/DDK
Predicted MW:	68.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before 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.



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RefSeq:	NP_035332
Locus ID:	19247
UniProt ID:	P35235
RefSeq Size:	5628
Cytogenetics:	5 F
RefSeq ORF:	1794
Synonyms:	2700084A17Rik; AW536184; PTP1D; PTP2C; SAP-2; SH-PTP2; SH-PTP3; SHP-2; Shp2; Syp
Summary:	Acts downstream of various receptor and cytoplasmic protein tyrosine kinases to participate in the signal transduction from the cell surface to the nucleus. Positively regulates MAPK signal transduction pathway. Dephosphorylates GAB1, ARHGAP35 and EGFR. Dephosphorylates ROCK2 at 'Tyr-722' resulting in stimulation of its RhoA binding activity. Dephosphorylates CDC73.[UniProtKB/Swiss-Prot Function]

Product images:



Purified recombinant protein Ptpn11 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.