

## Product datasheet for **TP509258**

### **Ptpn6 (NM\_013545) Mouse Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Mouse protein tyrosine phosphatase, non-receptor type 6 (Ptpn6), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
<b>Species:</b>	Mouse
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>MR209258 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MVRWFHRDLSGPD AETLLKGRGVPGSFLARPSRKNQGDFLSVRVDDQVTHIRIQNSGDFYDLYGGEKFA  
TLTELVEYYTQQGILQDRDGTIIHLKYPLNCSDPTSERWYHGHISGGQAESLLQAKGEPWTFVRESLS  
QPGDFVLSVLNDQPKAGPGSPLRVTHIKVMCEGGRYTVGGSETFDSLTLDEHFHFKKTGIEEASGAFVYLR  
QPYATRVNAADIENRVLELNKKQESED TAKAGFWEEFESLQKQEVKNLHQRLEGQRPENKSKNRYKNIL  
PFDHSRVILQGRDSNIPGSDYINANYVKNQLLGPDENSKTYIASQGCLDATVNDFWQMAWQENTRIVVMT  
TREV EKG R N K C V P Y W P E V G T Q R V Y G L Y S V T N S R E H D T A E Y K L R T L Q I S P L D N G D L V R E I W H Y Q Y L S W P D H  
G V P S E P G G V L S F L D Q I N Q R Q E S L P H A G P I I V H C S A G I G R T G T I I V I D M L M E S I S T K G L D C D I D I Q K T I Q M  
V R A Q R S G M V Q T E A Q Y K F I Y V A I A Q F I E T T K K K L E I I Q S Q K G Q E S E Y G N I T Y P P A V R S A H A K A S R T S S K H K  
E E V Y E N V H S K S K K E E K V K K Q R S A D K D K N K G S L K R K

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

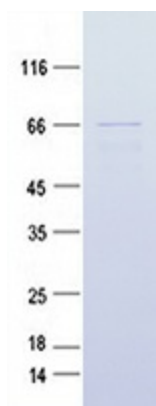
<b>Tag:</b>	C-MYC/DDK
<b>Predicted MW:</b>	67.5 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	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:	<a href="#">NP_038573</a>
Locus ID:	15170
UniProt ID:	<a href="#">P29351</a> , <a href="#">Q3UB72</a>
RefSeq Size:	2219
Cytogenetics:	6 59.17 cM
RefSeq ORF:	1788
Synonyms:	70Z-SHP; hcp; Hcph; me; Ptp1C; PTPTY-42; SH-PTP1; SHP-1
Summary:	Modulates signaling by tyrosine phosphorylated cell surface receptors such as KIT and the EGF receptor/EGFR. The SH2 regions may interact with other cellular components to modulate its own phosphatase activity against interacting substrates. Together with MTUS1, induces UBE2V2 expression upon angiotensin II stimulation. Plays a key role in hematopoiesis. [UniProtKB/Swiss-Prot Function]

### Product images:



Purified recombinant protein Ptpn6 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.