

## Active Recombinant Mouse Protein Tyrosine Phosphatase, Non-receptor Type 13

Cat. No. Ptpn13-337M Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>Description</b>	<p>Protein Tyrosin Phosphatase, catalytic domain. Protein Tyrosine Phosphatase-Basophil-like (PTP-BL) is a large nonreceptor type protein tyrosine phosphatase characterized by the presence of a extreme N-terminal KIND domain (kinase noncatalytic C-lobe domain, a protein module identified recently that shows homology to the regulatory C-lobe of protein kinases but that lacks catalytic activity), a N-terminal FERM domain (four point one, ezrin, radixin, moesin homology domain), five PDZ (postsynaptic density protein-95, discs large, zonula occludens) regions and a C-terminal catalytically active domain. Current data suggest that PTP-BL is involved in regulation of cytoskeleton and of intracellular vesicular transport processes.</p>
<b>Usage</b>	For in vitro use only.
<b>Form</b>	Liquid. Supplied in 20 mM Tris-HCl pH 8.0, 100 mM KCl, 0.2 mM EDTA, 1 mM DTT and 20% glycerol.
<b>Activity</b>	11 $\mu\text{mol}/\text{min}/\text{mg}$ determined with pNPP as substrate at pH 7.4 and 37°C.
<b>Purity</b>	> 95% by SDS-PAGE.
<b>Storage</b>	Quality guaranteed for 12 months, store at -80°C. Avoid freeze / thaw cycles.

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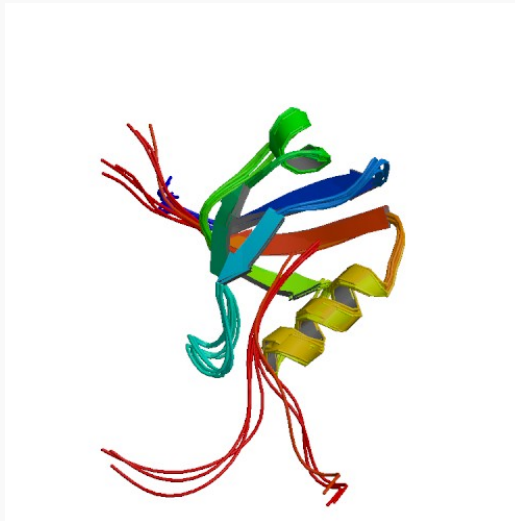
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## GENE INFORMATION

<b>Gene Name</b>	Ptpn13 protein tyrosine phosphatase, non-receptor type 13 [ <i>Mus musculus</i> ]
<b>Synonyms</b>	Ptpn13; protein tyrosine phosphatase, non-receptor type 13; RIP; Ptpri; PTP-BL; AI324989; tyrosine phosphatase; EC 3.1.3.48
<b>Gene ID</b>	19249
<b>mRNA Refseq</b>	NM_011204
<b>Protein Refseq</b>	NP_035334
<b>UniProt ID</b>	Q64512
<b>Function</b>	binding; hydrolase activity; phosphatase activity; phosphoprotein phosphatase activity; protein tyrosine phosphatase activity

PDB rendering based on 1d5g.



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