

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

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

SPECIFICATION

Product Overview

Species	Mouse
Source	E.coli
Description	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.
Usage	For in vitro use only.
Form	Liquid. Supplied in 20 mM Tris-HCl pH 8.0, 100 mM KCl, 0.2 mM EDTA, 1 mM DTT and 20% glycerol.
Activity	11 μ mol/min/mg determined with pNPP as substrate at pH 7.4 and 37°C.
Purity	> 95% by SDS-PAGE.

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Storage Quality guaranteed for 12 months, store at -80°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name Ptpn13 protein tyrosine phosphatase, non-receptor type 13 [*Mus musculus*]

Synonyms Ptpn13; protein tyrosine phosphatase, non-receptor type 13; RIP; Ptpri; PTP-BL; AI324989; tyrosine phosphatase; EC 3.1.3.48

Gene ID 19249

mRNA Refseq NM_011204

Protein Refseq NP_035334

UniProt ID Q64512

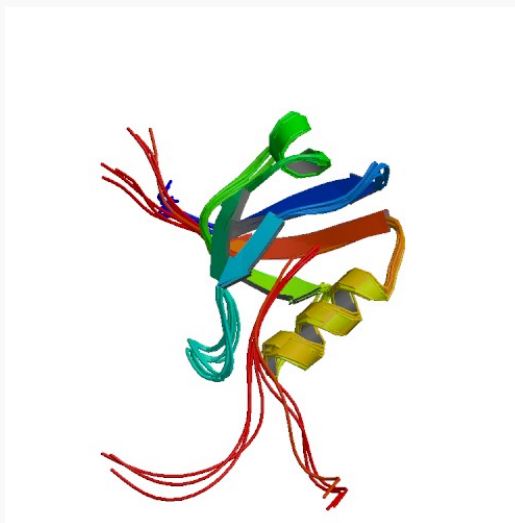
Function binding; hydrolase activity; phosphatase activity; phosphoprotein phosphatase activity; protein tyrosine phosphatase activity

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PDB rendering based
on 1d5g.



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