

## PTPRG Protein, Human (His)

Cat. No.:	HY-P701971
Synonyms:	PTPRG; Receptor-type tyrosine-protein phosphatase gamma; Protein-tyrosine phosphatase gamma; R-PTP-gamma
Species:	Human
Source:	E. coli
Accession:	P23470 (P820-N1130)
Gene ID:	5793
Molecular Weight:	

### PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	PTPRG protein, also known as protein tyrosine phosphatase receptor type G, is characterized by its tyrosine phosphatase activity. As a member of the protein tyrosine phosphatase (PTP) family, PTPRG is involved in the dephosphorylation of tyrosine residues in target proteins. This enzymatic activity allows PTPRG to regulate various cellular processes, including cell signaling, growth, differentiation, and adhesion. Through its tyrosine phosphatase activity, PTPRG serves as a crucial modulator of intracellular signaling pathways, interacting with and dephosphorylating specific tyrosine residues on target proteins to influence their function. Further research is needed to fully understand the physiological and pathological roles of PTPRG and its potential as a therapeutic target in various diseases characterized by dysregulated protein tyrosine phosphorylation.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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