

PTPRZ1 Protein, Human, Recombinant (His)

General Information

Synonyms:	R-PTP-zeta-2;Protein-tyrosine phosphatase receptor type Z polypeptide 2;Receptor-type tyrosine-protein phosphatase zeta;R-PTP-zeta;PTPZ;HTPZP2;Protein-tyrosine phosphatase receptor type Z polypeptide 1;PTPRZ2;PTPRZ1;PTPRZ
Protein Construction:	36-300 aa
Species:	Human
Expression Host:	P. pastoris (Yeast)
Accession:	P23471
Molecular Weight:	32.1 kDa (predicted)
AA Sequence:	IGWSYTGALNQNKGKYPKNSPKQSPINIDEDLTQVNVNLKLFQGWKTSLENTFIHNTGKTVEINLTNDYRVSGGVSEMVFKASKITFHGKCNMSSDGSEHSLEGQKFPLEMQIYCFDADRFSSFEAVKGGKLRALSILFEVGTENLDFKAIIDGVESVSRFGKQAALDPFILLNLLPNSTDKYYIYNGSLTSPPCDTVDWIVFKDVTVISESQLAVFCEVLTMQQSGYVMLMDYLQNNFREQQYKFSRQVFSSY

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Protein tyrosine phosphatase that negatively regulates oligodendrocyte precursor proliferation in the embryonic spinal cord. Required for normal differentiation of the precursor cells into mature, fully myelinating

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oligodendrocytes. May play a role in protecting oligodendrocytes against apoptosis. May play a role in the establishment of contextual memory, probably via the dephosphorylation of proteins that are part of important signaling cascades.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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