

Recombinant Human PTPRZ1 Protein (36-300 aa), His-SUMO-tagged

Cat. No. PTPRZ1-756H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTPRZ1 Protein (36-300 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Neuroscience. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	36-300 aa
Description	Protein tyrosine phosphatase that negatively regulates oligodendrocyte precursor proliferation in the bryonic spinal cord. Required for normal differentiation of the precursor cells into mature, fully myelinating oligodendrocytes. May play a role in protecting oligodendrocytes against apoptosis. May play a role in the establishment of contextual mory, probably via the dephosphorylation of proteins that are part of important signaling cascades.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	46.1 kDa
AA Sequence	IGWSYTGALNQNKGKYPKTCNSPKQSPINIDEDLTQVNVNLKLLKFKGWDKTSLE NTFIHNTGKTVEINLTNDYRVSGGVSEMVFKASKITFHWGKCNMSSDGSEHSLEGQ KFPLEMQIYCFDADRFSSEAVKGGKLRALSILFEVGTENLDFKAIIDGVESVSRF

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GKQAALDPFILLNLLPNSTDKYYIYNGSLTSPPCDTVDWIVFKDTVSISESQAVFCE
VLTMQQSGYVMLMDYLQNNFREQQYKFSRQVFSSY

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name [PTPRZ1 protein tyrosine phosphatase, receptor-type, Z polypeptide 1 \[Homo sapiens \]](#)

Official Symbol [PTPRZ1](#)

Synonyms PTPRZ1; PTPRZ, PTPZ; phosphacan; PTP18; RPTPB; PTPZ; HPTPZ; PTPRZ; HPTPzeta; PTP-ZETA; RPTPbeta;

Gene ID [5803](#)

mRNA Refseq [NM_001206838](#)

Protein Refseq [NP_001193767](#)

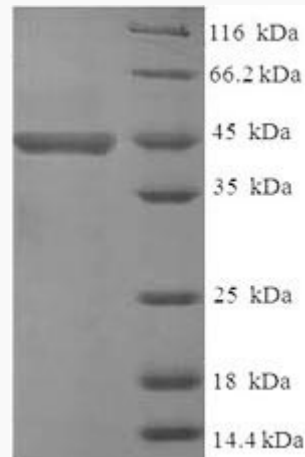
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 176891

UniProt ID P23471



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA