

## Product datasheet for **TP321495L**

### **PTPRS (NM\_130854) Human Recombinant Protein**

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein tyrosine phosphatase, receptor type, S (PTPRS), transcript variant 2, 1 mg
Species:	Human
Expression Host:	HEK293T



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Expression cDNA Clone >RC221495 representing NM\_130854  
 or AA Sequence: Red=Cloning site Green=Tags(s)

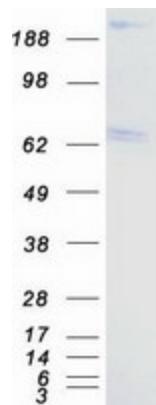
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 GRNVLELTDVKDSANYTCVAMSSLGVIEAVAQITVKS LPKAPGTPMVTENTATSITITWDSGNPDVSY  
 VIEYKSKSQDGPYQIKEDITTTYSIGLSPNSEYEIWVSAVNSIGQGPPSESVTRTGEQAPASAPRNV  
 QARMLSATTMIVQWEEPVEPNGLIRGYRVYITMEPEHPVGNWQKHNVDSDLLTTVGSLLLEDETYTVRVL  
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 PDGQSPVPVQSYFIVMVPLRKSRRGGQFLPLGSPEDMDLEELIQDISRLQRRSLRHSRQLEVPRPYIAAR  
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 KCHQYWPAERSARYQYFVVDPMAEYNMPQYILREFKVTDARDGQSRTVRQFQFTDWPEQGVPKSGEGFID  
 FIGQVHKTKEQFGQDGPISVHCSAGVGRGTFITLSIVLERMRYEGVVDIFQTVKMLRTQRPAMVQTEDE  
 YQFCYQAALYLG SFDHYAT

SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

- Tag:** C-Myc/DDK
- Predicted MW:** 209.7 kDa
- Concentration:** >0.05 µg/µL as determined by microplate BCA method
- Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining
- Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
- Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_570924</a>
<b>Locus ID:</b>	5802
<b>UniProt ID:</b>	<a href="#">Q13332</a> , <a href="#">Q8NHSZ</a> , <a href="#">Q59FX6</a>
<b>RefSeq Size:</b>	6386
<b>Cytogenetics:</b>	19p13.3
<b>RefSeq ORF:</b>	5730
<b>Synonyms:</b>	PTPSIGMA; R-PTP-S; R-PTP-sigma
<b>Summary:</b>	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains an extracellular region, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region of this protein is composed of multiple Ig-like and fibronectin type III-like domains. Studies of the similar gene in mice suggested that this PTP may be involved in cell-cell interaction, primary axonogenesis, and axon guidance during embryogenesis. This PTP has been also implicated in the molecular control of adult nerve repair. Four alternatively spliced transcript variants, which encode distinct proteins, have been reported. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome, Phosphatase, Transmembrane

### Product images:



Coomassie blue staining of purified PTPRS protein (Cat# [TP321495]). The protein was produced from HEK293T cells transfected with PTPRS cDNA clone (Cat# [RC221495]) using MegaTran 2.0 (Cat# [TT210002]).