

## Product datasheet for TP322592L

### PTP alpha (PTPRA) (NM\_002836) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human protein tyrosine phosphatase, receptor type, A (PTPRA), transcript variant 1, 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC222592 representing NM\_002836  
**Red**=Cloning site **Green**=Tags(s)

MDSWFILVLLGSLICVSANNATTVAPSVGITRLINSSTAEPVKKEAKTSNPTSSLTSLSVAPTFSPNIT  
LGPTYLTTVNSSSDSDNGTTRTASTNSIGITISPNGTWLPDNQFTDARTEPWEGNSSTAATTPETFPSPGN  
SDSKDRRDETPIAVMVALSSLLVIVFIIIVLYMLRFKKYKQAGSHSNFRLSNGRTEDVEPQSVPLLAR  
SPSTNRKYPPLPVDKLEEEINRRMADDNKLFREEFNALPACPIQATCEAASKEENKEKNRYVNILPYDHS  
RVHLTPVEGVPDSYINASFINGYQEKNKFIAAQGPKEETVNDFWRMIWEQNTATIVMVTNLKERKECKC  
AQYWPDQGCWTYGNIRVSVEDVTVLVDYTVRKFCIQVQVDMTNRKPQLITQFHFTSWPDFGVPFTPIGM  
LKFLKVKACNPQYAGAIWVHCSAGVGRGTGFVIDAMLDMHTRKVDVYGFVSRIARQCQMVQTDQM  
YVFIYQALLEHYLYGDTELEVTSLETHLQKIYNKIPGTSNNGLEEEFKKLSIKIQNDKMRGNL PANMK  
KNRVLQIIPYEFNRVIVPKRGEENTDYVNASFIDGYRQKDSYIASQGPLLHTIEDFWRMIWEWKSCSIV  
MLTELEERGQEKCAQYWPSDGLVSYGDITVELKKEEECESYTVRDLLVTNTRENKSRQIRQFHFGWPEV  
GIPSDGKGMISIAAVQKQQQSGNHPITVHCSAGAGRTGTFICALSTVLERVKAEGILDVFQTVKSLRLQ  
RPHMVQTLEQYEFYKVVQEYIDAFSDYANFK

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 88.7 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

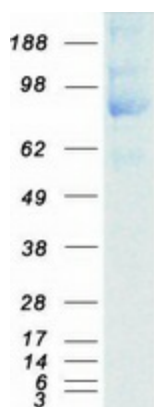
**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<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_002827</a>
<b>Locus ID:</b>	5786
<b>UniProt ID:</b>	<a href="#">P18433</a>
<b>RefSeq Size:</b>	3643
<b>Cytogenetics:</b>	20p13
<b>RefSeq ORF:</b>	2406
<b>Synonyms:</b>	HEPTP; HLPR; HPTPA; HPTPalpha; LRP; PTPA; PTPRL2; R-PTP-alpha; RPTPA
<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 domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. This PTP has been shown to dephosphorylate and activate Src family tyrosine kinases, and is implicated in the regulation of integrin signaling, cell adhesion and proliferation. Three alternatively spliced variants of this gene, which encode two distinct isoforms, have been reported. [provided by RefSeq, Jul 2008]
<b>Protein Families:</b>	Druggable Genome, Phosphatase, Transmembrane

### Product images:



Coomassie blue staining of purified PTPRA protein (Cat# [TP322592]). The protein was produced from HEK293T cells transfected with PTPRA cDNA clone (Cat# [RC222592]) using MegaTran 2.0 (Cat# [TT210002]).