

## Product datasheet for **TP322205M**

### plasticity related gene 3 (PLPPR1) (NM\_207299) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human plasticity related gene 3 (PRG-3), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222205 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAVGNNTQRSYSIIPCFIFVELVIMAGTVLLAYFECTDTFQVHIQGFFCQDGDLMKPYPGTEEESFITP  
LVLYCVLAATPTAIIFIGEISMYFIKSTRESLIAQEKILTGECCYLNPLLRRIIRFTGVFAFGLFATDI  
FVNAGQVVTGHLTPYFLTVCKPNYTSADCQAHHQFINNGNICTGDLEVIEKARRSFPSKHAALSIYSALY  
ATMYITSTIKTKSSRLAKPVLCLGTLCTAFLTGLNRVSEYRNHCSDVIAGFILGTAVALFLGMCVVHNFK  
GTQGSPSKPKPEDPRGVPLMAFPRIESPLETLSAQNHASMTEVT

**TR**TRPLE**QKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	35.6 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.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_997182</a></u>
Locus ID:	54886



[View online »](#)

UniProt ID: [Q8TBJ4](#), [A0A024R154](#)

RefSeq Size: 2461

Cytogenetics: 9q31.1

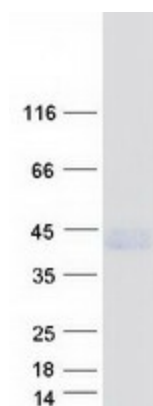
RefSeq ORF: 975

Synonyms: LPPR1; PRG-3

**Summary:** This gene encodes a member of the plasticity-related gene (PRG) family. Members of the PRG family mediate lipid phosphate phosphatase activity in neurons and are known to be involved in neuronal plasticity. The protein encoded by this gene does not perform its function through enzymatic phospholipid degradation. This gene is strongly expressed in brain. It shows dynamic expression regulation during brain development and neuronal excitation. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq, Jul 2008]

**Protein Families:** Phosphatase, Transmembrane

### Product images:



Coomassie blue staining of purified PLPPR1 protein (Cat# [TP322205]). The protein was produced from HEK293T cells transfected with PLPPR1 cDNA clone (Cat# [RC222205]) using MegaTran 2.0 (Cat# [TT210002]).