

Product datasheet for PH322205

plasticity related gene 3 (PLPPR1) (NM_207299) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	LPPR1 MS Standard C13 and N15-labeled recombinant protein (NP_997182)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222205
Predicted MW:	35.8 kDa
Protein Sequence:	>RC222205 protein sequence Red=Cloning site Green=Tags(s)

MAVGNNTQRSYSIIPCFIFVELVIMAGTVLLAYYFECTDTFQVHIQGFQDGLMKPYPGTEESFITP
LVLYCVLAATPTAIIFIGEISMYFIKSTRESLIAQEKILTGECCYLNPLLRRIIRFTGVFAFLFATDI
FVNAGQVVTGHLTPYFLTVCKPNYTSADCQAHHQFINNGNICTGDLEVIEKARRSFPSKHAALSIYSALY
ATMYITSTIKTKSSRLAKPVLCLGTLCTAFLTGLNRVSEYRNHCSVDIAGFILGTAVALFLGMCVVHNFK
GTQGSPSKPKPEDPRGVPLMAFPRIESPLETLSAQNHSASMT EVT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_997182
RefSeq Size:	2461
RefSeq ORF:	975
Synonyms:	LPPR1; PRG-3
Locus ID:	54886



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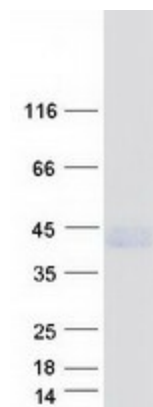
UniProt ID: [Q8TBJ4](#), [A0A024R154](#)

Cytogenetics: 9q31.1

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]).