

## Product datasheet for PH303796

### PCP4 (NM\_006198) Human Mass Spec Standard

#### Product data:

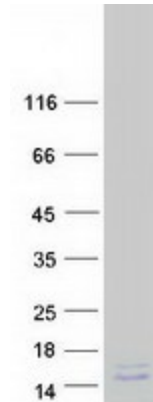
Product Type:	Mass Spec Standards
Description:	PCP4 MS Standard C13 and N15-labeled recombinant protein (NP_006189)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203796
Predicted MW:	6.8 kDa
Protein Sequence:	>RC203796 protein sequence Red=Cloning site Green=Tags(s)  MSERQGAGATNGKDKTSGENDGQKKVQEEFDIDMDAPETERAAVAIQSQFRKFQKKKAGSQS  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	<a href="#">NP_006189</a>
RefSeq Size:	566
RefSeq ORF:	186
Synonyms:	PEP-19
Locus ID:	5121
UniProt ID:	<a href="#">P48539</a>
Cytogenetics:	21q22.2



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**Summary:**

Functions as a modulator of calcium-binding by calmodulin. Thereby, regulates calmodulin activity and the different processes it controls (PubMed:19106096, PubMed:23204517, PubMed:27876793). For instance, may play a role in neuronal differentiation through activation of calmodulin-dependent kinase signaling pathways (PubMed:21491429). [UniProtKB/Swiss-Prot Function]

**Product images:**

Coomassie blue staining of purified PCP4 protein (Cat# [TP303796]). The protein was produced from HEK293T cells transfected with PCP4 cDNA clone (Cat# [RC203796]) using MegaTran 2.0 (Cat# [TT210002]).