

Product datasheet for PH305406

PPP3R2 (NM_147180) Human Mass Spec Standard

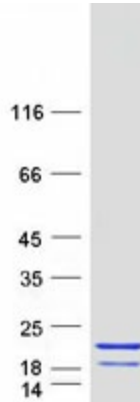
Product data:

Product Type:	Mass Spec Standards
Description:	PPP3R2 MS Standard C13 and N15-labeled recombinant protein (NP_671709)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205406
Predicted MW:	19.9 kDa
Protein Sequence:	>RC205406 protein sequence Red =Cloning site Green =Tags(s) MSTMGNEASYPAEMCSHFDNDEIKRLGRRFKKLDLTKSGSLVVEEFMSLPELRHNPLVRRVIDVFDTDGD GEVDFKEFILGTSQFSVKGDEEQKLRFAFSIYDMDKDGYISNGELFQVLKMMVGNLTDWQLQQLVDKTI IILDKDGDGKISFEEFSAYVRDLEIHKKLVLIV TR TRPLEQKLISEEDLAANDILDYKDDDDKV
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_671709
RefSeq Size:	3401
RefSeq ORF:	519
Synonyms:	PPP3RL
Locus ID:	5535
UniProt ID:	Q96LZ3 , A0A494C014



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Cytogenetics:	9q31.1
Summary:	Regulatory subunit of calcineurin, a calcium-dependent, calmodulin stimulated protein phosphatase. Confers calcium sensitivity.[UniProtKB/Swiss-Prot Function]
Protein Families:	Phosphatase
Protein Pathways:	Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Axon guidance, B cell receptor signaling pathway, Calcium signaling pathway, Long-term potentiation, MAPK signaling pathway, Natural killer cell mediated cytotoxicity, Oocyte meiosis, T cell receptor signaling pathway, VEGF signaling pathway, Wnt signaling pathway

Product images:

Coomassie blue staining of purified PPP3R2 protein (Cat# [TP305406]). The protein was produced from HEK293T cells transfected with PPP3R2 cDNA clone (Cat# [RC205406]) using MegaTran 2.0 (Cat# [TT210002]).