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Product datasheet for PH312689

DARPP32 (PPP1R1B) (NM_032192) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PPP1R1B MS Standard C13 and N15-labeled recombinant protein (NP_115568)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212689
Predicted MW:	22.8 kDa
Protein Sequence:	>RC212689 representing NM_032192 Red=Cloning site Green=Tags(s) MDPKDRKKIQFSVPAPPSQLDPRQVEMIRRRRPTPAMLFRLSEHSSPEEEASPHQRASGEGHHLKSKRPN PCAYTPPSLKAVQRIAESHLQSISNLNENQASEEEDELGELRELGYPREEDEEEEEDDEEEEEEEDSQAE VLKVIRQSAGQKTTCGQGLEGPWERPPPLDESERDGGSEDQVEDPALSEPGEEPQRPSPSEPGT 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:	NP_115568
RefSeq Size:	1841
RefSeq ORF:	612
Synonyms:	DARPP-32; DARPP32
Locus ID:	84152
UniProt ID:	Q9UD71, B3KVQ9

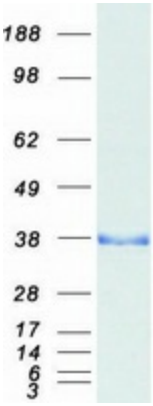
View online »

Cytogenetics: 17q12

Summary: This gene encodes a bifunctional signal transduction molecule. Dopaminergic and glutamatergic receptor stimulation regulates its phosphorylation and function as a kinase or phosphatase inhibitor. As a target for dopamine, this gene may serve as a therapeutic target for neurologic and psychiatric disorders. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified PPP1R1B protein (Cat# [TP312689]). The protein was produced from HEK293T cells transfected with PPP1R1B cDNA clone (Cat# [RC212689]) using MegaTran 2.0 (Cat# [TT210002]).