

## Product datasheet for PH300916

### DARPP32 (PPP1R1B) (NM\_181505) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PPP1R1B MS Standard C13 and N15-labeled recombinant protein (NP_852606)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200916
Predicted MW:	18.7 kDa
Protein Sequence:	>RC200916 protein sequence Red=Cloning site Green=Tags(s)  MLFRLSEHSSPEEEASPHQRASGEGHHLKSKRPNPCAYTPPSLKAVQRIAESHLQSI SNLNENQASEEED ELGELRELGYPREEDEEEEEDEEEEEEDSQA EVLKVI RQSAGQKTT CGQGLEGPWERPPPLDESERDG GSEDQVEDPALSEPGEEPQRPSSEPGT  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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<u>NP_852606</u>
RefSeq Size:	1530
RefSeq ORF:	504
Synonyms:	DARPP-32; DARPP32
Locus ID:	84152
UniProt ID:	<u>Q9UD71, A0A024R1R3</u>



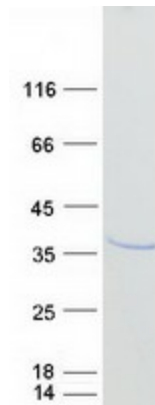
[View online »](#)

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# [TP300916]). The protein was produced from HEK293T cells transfected with PPP1R1B cDNA clone (Cat# [RC200916]) using MegaTran 2.0 (Cat# [TT210002]).