

## Product datasheet for TP300916

### DARPP32 (PPP1R1B) (NM\_181505) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein phosphatase 1, regulatory (inhibitor) subunit 1B (PPP1R1B), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200916 protein sequence Red=Cloning site Green=Tags(s)
	MLFRLSEHSSPEEEASPHQRASGEGHHLKSKRPNPCAYTPPSLKAVQRIAESHLSISNLNENQASEEED ELGELRELGYPREEDEEEEEEDDEEEEEEDSQAEVLKVIKVSAGQKTTGQGLEGPWERPPPLDESERD GSEDQVEDPALSEPGEEPQRPSPEPGT
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	18.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_852606</a>
Locus ID:	84152
UniProt ID:	<a href="#">Q9UD71</a> , <a href="#">A0A024R1R3</a>



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RefSeq Size: 1530

Cytogenetics: 17q12

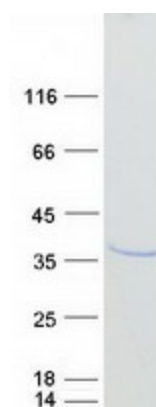
RefSeq ORF: 504

Synonyms: DARPP-32; DARPP32

**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]).