

Product datasheet for **TP300916L**

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, 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC200916 protein sequence Red =Cloning site Green =Tags(s) |
| | MLFRLSEHSSPEEEASPHQRASGEGHHLKSKRPNPCAYTPPSLKAVQRIAESHLSISNLNENQASEEED ELGELRELGYPREDEEEEEEDDEEEEEEDSQAEVLKVIKVSAGQKTTGQGLEGPWERPPPLDESERD 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: | NP_852606 |
| Locus ID: | 84152 |
| UniProt ID: | Q9UD71 , A0A024R1R3 |



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RefSeq Size: 1530

Cytogenetics: 17q12

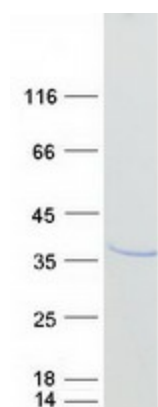
RefSeq ORF: 504

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]).