

Product datasheet for **SC331806**

DARPP32 (PPP1R1B) (NM_001242464) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DARPP32 (PPP1R1B) (NM_001242464) Human Untagged Clone
Tag:	Tag Free
Symbol:	DARPP32
Synonyms:	DARPP-32; DARPP32
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331806 representing NM_001242464. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCTGTTCCGGCTCTCAGAGCACTCCTCACCAGAGGAGGAAGCCTCCCCCACCAGAGAGCCTCAGGA  
GAGGGGCACCATCTCAAGTCGAAGAGACCCAACCCCTGTGCCTACACACCACCTTCGCTGAAAGCTGTG  
CAGCGCATTGCTGAGTCTCACCTGCAGTCTATCAGCAATTTGAATGAGAACCAGGCCTCAGAGGAGGAG  
GATGAGCTGGGGAGCTTCGGGAGCTGGGTTATCCAAGAGAGGAAGATGAGGAGGAAGAGGAGGATGAT  
GAAGAAGAGGAAGAAGAAGAGGACAGCCAGGCTGAAGTCTGAAGGTATCAGGCAGTCTGCTGGGCAA  
AAGACAACCTGTGGCCAGGGTCTGGAAGGGCCCTGGGAGCGCCACCCCTCTGGATGAGTCCGAGAGA  
GATGGAGGCTCTGAGGACCAAGTGAAGACCCAGCACTAAGTGAGCCTGGGGAGGAACCTCAGCGCCCT  
TCCCCCTCTGAGCCTGGCACATAG
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001242464
Insert Size:	507 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001242464.1](#)

RefSeq Size: 1446 bp

RefSeq ORF: 507 bp

Locus ID: 84152

UniProt ID: [Q9UD71](#)

Cytogenetics: 17q12

Protein Families: Druggable Genome

MW: 18.7 kDa

Gene 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]
Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1. Variants 2 and 3 encode isoform 2.