

Product datasheet for SC321536

DARPP32 (PPP1R1B) (NM_181505) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DARPP32 (PPP1R1B) (NM_181505) Human Untagged Clone
Tag:	Tag Free
Symbol:	DARPP32
Synonyms:	DARPP-32; DARPP32
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_181505.1
 GTGAAGAGTTCTGCAGCCTTACAGAGACTGGAAAAGAAGCCCAAACCAAGCCCCCAGAG
 AGGTCCCCCAGGCCCTTTGGGTCCTGAGCCTCAGCTGGAGGTGGGGGTGCCTGCAGT
 GCGCTGGCTCAGTCTCCTTCTGAAAAGCTGGATCCAGCTTGTTTGAAGCCCTTGAGCTGA
 TCTTAGATCCGGCGCAGGAGACCAACGCCTGCCATGCTGTTCCGGCTCTCAGAGCACTCC
 TCACCAGAGGAGGAAGCCTCCCCCACCAGAGAGCCTCAGGAGAGGGCACCATCTCAAG
 TCGAAGAGACCAACCCCTGTGCCTACACACCACCTTCGCTGAAAGCTGTGCAGCGCATT
 GCTGAGTCTCACCTGCAGTCTATCAGCAATTTGAATGAGAACCAGGCCTCAGAGGAGGAG
 GATGAGCTGGGGAGCTTCGGGAGCTGGGTTATCCAAGAGAGGAAGATGAGGAGGAAGAG
 GAGGATGATGAAGAAGAGGAAGAAGAAGAGGACAGCCAGGCTGAAGTCTGAAGTTCATC
 AGGCAGTCTGCTGGGCAAAGACAACCTGTGGCCAGGCTGGAAGGGCCCTGGGAGCGC
 CCACCCCTCTGGATGAGTCCGAGAGAGATGGAGGCTCTGAGGACCAAGTGAAGACCCA
 GCACTAAGTGAGCCTGGGGAGGAACCTCAGCGCCCTTCCCCTCTGAGCCTGGCACAATAG
 GCACCCAGCCTGCATCTCCCAGGAGGAAGTGGAGGGGACATCGCTGTTCCCAGAAACCC
 ACTCTATCCTCACCTGTTTTGTGCTCTTCCCCTCGCCTGCTAGGGCTGCGGCTTCTGAC
 TTCTAGAAGACTAAGGCTGGTCTGTGTTTGCTTGTGTTGCCACCTTTGGCTGATACCCAG
 AGAACCTGGGCACTTGTGCCTGATGCCACCCCTGCCAGTATTCTCCATTACCCAG
 CGGGAGGTGGGATGTGAGACAGCCACATTGAAAAATCCAGAAAACCGGGAACAGGGATT
 TGCCCTTCACAATTCTACTCCCAGATCCTCTCCCCTGGACACAGGAGACCCACAGGGCA
 GGACCCTAAGATCTGGGAAAGGAGGTCCTGAGAACCTTGAGGTACCCTTAGATCCTTTT
 CTACCCACTTTCTATGGAGGATTCCAAGTCACCACTTCTCTCACCGGTTCTACCAGGG
 TCCAGGACTAAGGCGTTTTTCTCCATAGCCTCAACATTTTGGGAATCTTCCCTTAATCAC
 CCTTGCTCCTCCTGGGTGCCTGGAAGATGGACTGGCAGAGACCTCTTGTGCGTTTTGT
 GCTTTGATGCCAGGAATGCCGCTAGTTTATGTCCCCGGTGGGGCACACAGCGGGGGGGC
 CCAGGTTTTCTTGTCCCCAGCTGCTCTGCCCTTTCCCCTTCTCCCTGACTCCAGGC
 CTGAACCCCTCCCGTGTGTAATAAATCTTTGTAATAACAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_181505
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).
Reconstitution Method:	<ol style="list-style-type: none">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_181505.1 , NP_852606.1
RefSeq Size:	1529 bp
RefSeq ORF:	507 bp
Locus ID:	84152
UniProt ID:	Q9UD71
Cytogenetics:	17q12
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) 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.</p>