

Product datasheet for SC126726

DARPP32 (PPP1R1B) (NM_032192) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DARPP32 (PPP1R1B) (NM_032192) Human Untagged Clone
Tag:	Tag Free
Symbol:	DARPP32
Synonyms:	DARPP-32; DARPP32
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_032192 edited
 CCGCCCGCTGCGCGGGGAGCCACAGACCGCCGCGGGACCCGAGTCGCGCACCC
 CAGCCCCACCGCCACCCCGCGGCCATGGACCCCAAGGACCCGAAGAAGATCCAGTTCT
 CGGTGCCCGCGCCCTAGCCAGCTCGACCCCGCCAGGTGGAGATGATCCGGCGCAGGA
 GACCAACGCCTGCCATGCTGTTCCGGCTCTCAGAGCACTCCTCACCAGAGGAGGAAGCCT
 CCCCCACCAGAGAGCCTCAGGAGAGGGGCACCATCTCAAGTCGAAGAGACCCAAACCCCT
 GTGCCTACACACCACCTTCGCTGAAAGCTGTGCAGCGCATTGCTGAGTCTCACCTGCAGT
 CTATCAGCAATTTGAATGAGAACCAGGCCTCAGAGGAGGAGGATGAGCTGGGGAGCTTC
 GGGAGCTGGGTTATCCAAGAGAGGAAGATGAGGAGGAAGAGGAGGATGATGAAGAAGAGG
 AAGAAGAAGAGGACAGCCAGGCTGAAGTCTGAAGTCTCAGGCAGTCTGCTGGGCAA
 AGACAACCTGTGGCCAGGCTCTGGAAGGGCCCTGGGAGCGCCACCCCTCTGGATGAGT
 CCGAGAGAGATGGAGGCTCTGAGGACCAAGTGAAGACCCAGCACTAAGTGAAGCTGGGG
 AGGAACCTCAGCGCCCTTCCCCCTCTGAGCCTGGCACATAGGCACCCAGCCTGCATCTCC
 CAGGAGGAAGTGGAGGGGACATCGCTGTTCCCCAGAAACCCACTCTATCCTCACCCCTGTT
 TTGTGCTCTTCCCTCGCTGCTAGGGCTGCGGCTTCTGACTTCTAGAAGACTAAGGCTG
 GTCTGTGTTTGTGTTTGGCCACCTTTGGCTGATACCCAGAGAACCTGGGCACTTGCTG
 CCTGATGCCACCCCTGCCAGTCATTCTCCATTACCCAGCGGGAGGTGGGATGTGAGA
 CAGCCCACATTGAAAAATCCAGAAAACCGGGAACAGGGATTTGCCCTTCACAATTCTACT
 CCCCAGATCCTCTCCCCTGGACACAGGAGACCCACAGGGCAGGACCCCTAAGATCTGGGGA
 AAGGAGGTCTGAGAACCTTGAAGTACCCTTAGATCCTTTTCTACCCACTTTCCTATGGA
 GGATTCGAAGTCACTTCTCTCACCGCTTCTACCAGGGTCCAGGACTAAGGCGTTTTT
 TCTCCATAGCCTCAACATTTTGGGAATCTTCCCTTAATCACCCCTTGCTCCTCCTGGGTGC
 CTGGAAGATGACTGGCAGAGACCTTTTGTGCGTTTTGTGCTTTGATGCCAGGAATGC
 CGCCTAGTTTATGTCCCGGTGGGGCACACAGCGGGGGGCCAGGTTTTCTTGTCCCC
 CAGCTGCTCTGCCCTTCCCCTTCTCCCTGACTCCAGGCTGAACCCCTCCCCTGCTG
 TAATAAATCTTTGTAATAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_032192 unedited GCGCGAATTCGGCACCAGCCGCCGCTGCGCGGGGAGCCACGACAGACCGCCGCCGGG ACCCCGAGTCGCGCACCCAGCCCCACCGCCACCCCGCGGCCATGGACCCCAAGGACC GCAAGAAGATCCAGTTCTCGGTGCCCGCCCCCTAGCCAGCTCGACCCCGCCAGGTGG AGATGATCCGGCGCAGGTACCAACGCCGGGATGCTGTTCCGGCTCTCAGAGCACTCTCA CCAGAGGAGGAAGCCTCCCCCACCAGAGAGCCTCAGGAGAGGGGACCATCTCAAGTCC AAGAGACCCAACCCCTGTGCCTACACACCACCTTCGCTGAAAGCTGTGCAGCGCATTGCT GAGTCTCACCTGCAGTCTATCAGCAATTTGAATGAGAACCAGGCCCTCANAGGAGGAGGAT GAGCTGGGGGAGCTTCGGGAGCTGGGTTATCCAAGAGAGGAAGATGAGGAGGAAGAGGAG GATGATGAAAAAGAGGAAGAAGAAGAGGACAGCCAGGCTGAAGTCTGAAGGTCATCAGG CAGTCTGCTGGGCAAAAGACAACCTGTGGCCAGGGTCTGGAAGGGCCCTGGGAGCGCCCA CCCCCTCTGGATGAGTCCGAGAGAGATGGAGGCTCTGAGGACCAAGTGAAGACCCACGC ACTAGTGAGCCTGGGAGGAACCTCAGCGCCCTCCCCCTCTGAGCCTGGCACATANGC ACCCAGCCTGCATCTNCCAGAGGG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_032192 unedited GCTATGGACCGCGGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTATTTACAAA GATTTATTACAGCACGGGAGGGTTTCAGGCCTGGAGTCAGGGAAGAAGGGGAAAGGGGCA GAGCAGCTGGGGGACAAGGAAAACCTGGCGCCCCCGCTGTGTGCCCCACCGGGGACATA AACTAGGCGGCATTCTGGCATCAAAGCACAAAACGCAACAAAGAGGTCTCTGCCAGTCC ATCTTCCAGGCACCCAGGAGGAGCAAGGGTGATTAAGGGAAGATCCCAAATGTTGAGG CTATGGAGAAAAACGCCCTTAGTCTGGACCCTGGTAGAAGCCGGTGAAGAGAGTGGTGAC TTGGAATCCTCCATAGGAAAGTGGGTAGAAAAGGATCTAAGGGTACCTCAAGTTCTCAG GACCTCCTTTCCCGAGATCTTAGGGTCTGCCCTGTGGGTCTCCTGTGTCCAGGGAGAGG ATCTGGGGAGTANAAAATGTGAAGGGCAAATCCCTGTTCCCGTTTTCTGGGATTTTCAA ATGTGGGCTGTCTCACATNCCACCTNCCGCCTGGGTGAATGGAGGAACAAGTGGCANGGG GTGGGCATCAAGCAGCAAGTGCCAGGTTCTCTTGGGTATCAGCCAAAAGTGGGGAAACA AGCAAACACAGACAACCTTAATCTTTTAAAAGTCAAAGCCGACGCCCTACCGGCGAGGGG AAGAGCCCAACCCGGTAGATAAAAAGGGGTTTTTTGGGAACCAACAAGTCCCCTCCCTTC TCCTGGGAATGCACGCTGGTGCCTTTTGCACCCTAAGGGGAGGGCCCCGGGGTCTCCCC GCCCATTAAGGGGGGTTTCCTTTGCCTAAAGCCCTTTTTTTGCTTCCCAGGGGGGGG GGTTCGGGCTTTCAACCTGCCAGGNTTTTTCCCAAAGCCGGGACCTAAAATANCCGG GGGCCCTTTTTCTTTTAAACCCCTCTCCCCTGGTCTGGACA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_032192
Insert Size:	1500 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_032192.2.
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:

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_032192.2](#), [NP_115568.2](#)

RefSeq Size: 1841 bp

RefSeq ORF: 615 bp

Locus ID: 84152

UniProt ID: [Q9UD71](#)

Cytogenetics: 17q12

Protein Families: Druggable Genome

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 (1) represents the longest transcript and encodes the longest isoform (1).