

Product datasheet for SC115879

14-3-3 theta (YWHAQ) (NM_006826) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	14-3-3 theta (YWHAQ) (NM_006826) Human Untagged Clone
Tag:	Tag Free
Symbol:	14-3-3 theta
Synonyms:	1C5; 14-3-3; HS1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115879 sequence for NM_006826 edited (data generated by NextGen Sequencing)

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ATGGAGAAGACTGAGCTGATCCAGAAGGCCAAGCTGGCCGAGCAGGCCGAGCGCTACGAC
GACATGGCCACCTGCATGAAGGCAGTGACCGAGCAGGGCGCCGAGCTGTCCAACGAGGAG
CGCAACCTGCTCTCCGTGGCCTACAAGAACGTGGTCGGGGGCCGAGGTCCTCCCTGGAGG
GTCATCTCTAGCATCGAGCAGAAGACCGACACCTCCGACAAGAAGTTGCAGCTGATTAAG
GACTATCGGGAGAAAAGTGGAGTCCGAGCTGAGATCCATCTGCACCACGGTCTGGAATTG
TTGGATAAATATTTAATAGCCAATGCAACTAATCCAGAGAGTAAGGTCTTCTATCTGAAA
ATGAAGGGTGATTACTTCCGGTACCTTGCTGAAGTTGCGTGTGGTGATGATCGAAAACAA
ACGATAGATAATCCCAAGGAGCTTACCAAGAGGCATTTGATATAAGCAAGAAAGAGATG
CAACCCACACACCCAATCCGCCTGGGGCTTGCTCTTAACCTTTCTGTATTTTACTATGAG
ATTCTTAATAACCCAGAGCTTGCTGCACGCTGGCTAAAACGGCTTTTGATGAGGCCATT
GCTGAACTTGATACACTGAATGAAGACTCATAAAGACAGCACCTCATCATGCAGTTG
CTTAGAGACAACCTAACACTTTGGACATCAGACAGTGCAGGAGAAGAATGTGATGCGGCA
GAAGGGGCTGAAAATAA

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Clone variation with respect to NM_006826.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006826 unedited</p> <pre>TGGATTTTGTAAACGATTTACTATAGGGCGGCCGCAATTCGCACGAGGCGCCCCGGC CCCCGCCCGCCATGGAGAAGACTGAGCTGATCCAGAAGGCAAGCTGGCCGAGCAGGCC GAGCGCTACGACGACATGGCCACCTGCATGAAGGCAGTGACCGAGCAGGGCGCCGAGCTG TCCAACGAGGAGCGCAACCTGCTCTCCGTGGCCTACAAGAAGTGGTCCGGGGCCCGCAGG TCCGCCTGGAGGGTCATCTCTAGCATCGAGCAGAAGACCGACACCTCCGACAAGAAGTTG CAGCTGATTAAGGACTATCGGGAGAAAGTGGAGTCCGAGCTGAGATCCATCTGCACCAG GTGCTGGAATTGTTGGATAAATATTTAATAGCCAATGCAACTAATCCAGAGAGTAAGGTC TTCTATCTGAAAATGAAGGGTGATTACTTCCGGTACCTTGCTGAAAGTTGCGTGTGGTGAT GATCGAAAACAAACGATAGATAATTCCCAAGGAGCTTACCAAGAGGCATTTGATATAAGC AAGAAAGAGATGCAACCCACACACCCAATCCGCCTGGGGCTTGCTCTTAACTTTTCTGTA TTTTACTATGAGATTCTTAATAACCCAGAGCTTGCCTGCACGCTGGCTAANACGGCTTTT GATGAGGCCATTGCTGAACCTTGATACACTGAATGAAGACTCATACCAAGACAGCACCTC ATCATGCAGTTGCTTAGAGACNACCTAACACTTTGGACATCAGACAGTGCNAGAGAAGAA TGTGATGNCGCAGAAGGGGCTGAAAACCTANATCCATACAGGGTGCATCCTTCTCCTTC ACAGAAACCTTTTTAACATCTNCATTCTTATTCACTTGGATTTTCTATACAAAAAAC ATTCTGTGTATGGATCAACCGTTATAGCCTTTC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006826 unedited</p> <pre>GGCATGGCACTTCCAGNCCGGNANAGGCACTGGGGAAGGGTCACAGGNATGCCCCCGG GATCTGTTCCAGAAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTT TTTTTTTTTAATGGTTTATAAAATGTACTTTTATTTTATGTTACTCTGCTGTACATAGG GCATAACATTTTACAAGGCTTTTTTTGGGACTACAGTCAATGATTAGCAACACACAATAG TGGTCCAACCTCTTAAATAACAATCACTAGACAACTGGACACCTCTCACATGTGCACA AATCTGCATGGAAAAGTACTAAAGTTTTAGACTTGGACTTGTGTACTTTAATTTATTTCC CCTTTCTAGTGTATTAAGAAATGACATGCACTTAAATTTGCCAAAAGCAATGCTTGATT CTGGCAGCAACATGCTACTTCTATCACATAGTAAAGTGAATACCAGAACTACAAAGGCAG GAGGTGTAAGTGAATTTTATTGGAGGGGGAAGGTGGCAACTTAAACAGCAGCAATAAAG AGTGAATAAGGAACTCCCTGTTGCCACAGATACACAAGACCTCCGTATGTGATACAGGA GCCATTTCAATTTGTGACCCCTAGAAGAGATGGCAAGTGTCTTTCCATTCAATCTAATAC TCCCGGATTCCTACTAAAAAGAATACTTAAGAACCTGGAAGTTGCTTACTGGAAGGAA ACCCCAAGAGAAGGGGAGGGAATGTAATAATTAAGAAAGTTTGGGGAATACTCTCTAAAT GGAATAAATACTTTTTCTATTTTCAAAAAACCAACCAGTCACTGCAAACTGGTTAAA TACTTAATACAGATCCTTTTTAGGCTTAAT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_006826
Insert Size:	1820 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).

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_006826.2 , NP_006817.1
RefSeq Size:	2166 bp
RefSeq ORF:	738 bp
Locus ID:	10971
UniProt ID:	P27348
Cytogenetics:	2p25.1
Domains:	14-3-3
Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle, Neurotrophin signaling pathway, Oocyte meiosis, Pathogenic Escherichia coli infection
Gene Summary:	This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 99% identical to the mouse and rat orthologs. This gene is upregulated in patients with amyotrophic lateral sclerosis. It contains in its 5' UTR a 6 bp tandem repeat sequence which is polymorphic, however, there is no correlation between the repeat number and the disease. [provided by RefSeq, Jul 2008]