

Product datasheet for **SC322035**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for SC322035
 CGCGCCCGCCATGGAGAAGACTGAGCTGATCCAGAAGGCCAAGCTGGCCGAGCAGGCCGA
 GCGCTACGACGACATGGCCACCTGCATGAAGGCAGTGACCGAGCAGGGCGCCGAGCTGTC
 CAACGAGGAGCGCAACCTGCTCTCCGTGGCCTACAAGAACGTGGTCGGGGGCCGAGGTC
 CGCCTGGAGGGTCATCTCTAGCATCGAGCAGAAGACCGACACCTCCGACAAGAAGTTGCA
 GCTGGAATTGTTGGATAAATATTTAATAGCCAATGCAACTAATCCAGAGAGTAAGGTCTT
 CTATCTGAAAATGAAGGGTGATTACTTCCGGTACCTTGCTGAAGTTGCGTGTGGTGATGA
 TCGAAAACAAACGATAGATAATTCCCAAGGAGCTTACCAAGAGGCATTTGATATAAGCAA
 GAAAGAGATGCAACCCACACACCCAATCCGCTGGGGCTTGCTCTTAACTTTTCTGTATT
 TTAATGAGATTCTTAATAACCCAGAGCTTGCCTGCACGCTGGCTAAAACGGCTTTTGA
 TGAGGCCATTGCTGAACCTGATACACTGAATGAAGACTCATACAAAGACAGCACCCCTCAT
 CATGCAGTTGCTTAGAGACAACCTAACACTTTGGACATCAGACAGTGCAGGAGAAGAATG
 TGATGCGGCAGAAGGGGCTGAAAATAAATCCATACAGGGTGTCATCCTTCTTTCCTTCA
 AGAAACCTTTTTACACATCTCCATTCTTATTCCACTTGGATTTCTATAGCAAAGAAAC
 CCATTCATGTGTATGGAATCAACTGTTTATAGTCTTTTACACTGCAGCTTTGGGAAAAC
 TTCATTCTTGATTTGTGTTTGTCTTGGCCTTCTGGTGTGCACTACTGCTGTAGAAAAG
 TATTAATAGCTTCATTTATATAAAACATAAGTAACTCCAAACACTTATGTAGAGGACTA
 AAAATGTATCTGGTATTTAAGTAATCTGAACAGTTCTGCAAGTGACTGTGTTTTGTATT
 ACTGTGAAAATAAGAAAATGTAGTTAATTAACAATTTAAGAGTATTCCACATAACTTCTT
 AATTTCTACATCCCTCCCTTACTCTTCCGGGGTTTCTTTCAGTAAGCAACTTTTCCAT
 GCTCTTAATGTATTCCTTTTAGTAGGAATCCGGAAGTATTAGATTGAATGGAAAAGCAC
 TTGCCATCTCTGTAGGGGTCACAAATTGAAATGGCTCCTGTATCACATACGGAGGTCT
 TGTGTATCTGTGCAACAGGGAGTTTCTTATTCACTCTTATTGCTGCTGTTTAAAGTT
 GCCAACCTCCCCTCCAATAAAAATCACTTACCTCCTGCCTTTGTAGTTCTGGTATT
 CACTTTACTATGTGATAGAAGTAGCATGTTGCTGCCAGAATACAAGCATTGCTTTTGGCA
 AATTAAGTGATGTCATTTCTAATACACTAGAAAGGGGAAATAAATTAAGTACACAA
 GTCCAAGTCTAAAACCTTAGTACTTTTCCATGCAGATTTGTGCACATGTGAGAGGGTGC
 CAGTTTGTCTAGTGATTGTTATTTAGAGAGTTGGACCACTATTGTGTGTTGCTAATCATT
 GACTGTAGTCCCAAAAAAGCCTTGTGAAAATGTTATGCCCTATGTAACAGCAGAGTAACA
 TAAAATAAAGTACATTTTATAAACCTTACTATGGCTTTGTAACAATTGCATACCCAT
 ATTTTAAGGGACAGGTGAATTTACTACTTCTAAAGTTTATTGACTTCCCTTTTATGT
 AAAATGTAGTAGTGATACCTATATTTCCACATTGTGCATTGTGACACACTTGTCTAGGGA
 TGCCCTGGAAGTGATAAAATGGACTGCATTTCTTAGAGTGTTTTACTATAGATCAGTCT
 CATGGGCCATCTTCTCAGATGATAATGATATCTGGTTAAGTGTTATATGGAATAAAG
 TGGACATTTTAAAATAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_006826

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_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]