Product datasheet for SC321550

14-3-3 beta (YWHAB) (NM_139323) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	14-3-3 beta (YWHAB) (NM_139323) Human Untagged Clone
Tag:	Tag Free
Symbol:	14-3-3 beta
Synonyms:	GW128; HEL-S-1; HS1; KCIP-1; YWHAA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_139323.2 GTGGAGCTACCGCCACCGCCGCCGCCGATTCCGGAGCCGGGGTAGTCGCCGCCGCCGCCG CCGCTGCAGCCACTGCAGGCACCGCTGCCGCCGCCTGAGTAGTGGGCTTAGGAAGGAAGA GGTCATCTCGCTCGGAGCTTCGCTCGGAAGGGTCTTTGTTCCCTGCAGCCCTCCCACGGG AATGACAATGGATAAAAGTGAGCTGGTACAGAAAGCCAAACTCGCTGAGCAGGCTGAGCG ATATGATGATATGGCTGCAGCCATGAAGGCAGTCACAGAACAGGGGCATGAACTCTCCAA CGAAGAGAGAAATCTGCTCTCTGTTGCCTACAAGAATGTGGTAGGCGCCCGCCGCTCTTC CTGGCGTGTCATCTCCAGCATTGAGCAGAAAACAGAGAGGAATGAGAAGAAGCAGCAGAT GGGCAAAGAGTACCGTGAGAAGATAGAGGCAGAACTGCAGGACATCTGCAATGATGTTCT GGAGCTGTTGGACAAATATCTTATTCCCAATGCTACACAACCAGAAAGTAAGGTGTTCTA CTTGAAAATGAAAGGAGATTATTTTAGGTATCTTTCTGAAGTGGCATCTGGAGACAACAA ACAAACCACTGTGTCGAACTCCCAGCAGGCTTACCAGGAAGCATTTGAAATTAGTAAGAA AGAAATGCAGCCTACACACCCAATTCGTCTTGGTCTGGCACTAAATTTCTCAGTCTTTTA CTATGAGATTCTAAACTCTCCTGAAAAGGCCTGTAGCCTGGCAAAAACGGCATTTGATGA AGCAATTGCTGAATTGGATACGCTGAATGAAGAGTCTTATAAAGACAGCACTCTGATCAT GCAGTTACTTAGGGACAATCTCACTCTGTGGACATCGGAAAACCAGGGAGACGAAGGAGA CGCTGGGGAGGGAGAGAACTAATGTTTCTCGTGCTTTGTGATCTGTTCAGTGTCACTCTG TACCCTCAACATATATCCCTTGTGCGATAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	Please inquire
ACCN:	NM_139323
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).

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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:	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_139323.2, NP_647539.1
RefSeq Size:	3015 bp
RefSeq ORF:	741 bp
Locus ID:	7529
UniProt ID:	P31946
Cytogenetics:	20q13.12
Domains:	14-3-3
Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle, Neurotrophin signaling pathway, Oocyte meiosis
Gene Summary:	This gene encodes a protein belonging to the 14-3-3 family of proteins, members of which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals. The encoded protein has been shown to interact with RAF1 and CDC25 phosphatases, suggesting that it may play a role in linking mitogenic signaling and the cell cycle machinery. Two transcript variants, which encode the same protein, have been identified for this gene. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (2) lacks an exon in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.