

Product datasheet for **SC112695**

14-3-3 epsilon (YWHAE) (NM_006761) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	14-3-3 epsilon (YWHAE) (NM_006761) Human Untagged Clone
Tag:	Tag Free
Symbol:	14-3-3 epsilon
Synonyms:	14-3-3E; HEL2; KCIP-1; MDCR; MDS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112695 sequence for NM_006761 edited (data generated by NextGen Sequencing)

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ATGGATGATCGAGAGGATCTGGTGTACCAGGCGAAGCTGGCCGAGCAGGCTGAGCGATAC
GACGAAATGGTGGAGTCAATGAAGAAAGTAGCAGGGATGGATGTGGAGCTGACAGTTGAA
GAAAGAAACCTCTATCTGTTGCATATAAGAATGTGATTGGAGCTAGAAGAGCCTCCTGG
AGAATAATCAGCAGCATTGAACAGAAAGAAGAAAACAAGGGAGGAGAAGACAAGCTAAAA
ATGATTCGGGAATATCGGCAAAATGGTTGAGACTGAGCTAAAGTTAATCTGTTGTGACATT
CTGGATGTACTGGACAAACACCTCATTCCAGCAGCTAACACTGGCGAGTCCAAGGTTTTTC
TATTATAAAATGAAAGGGGACTACCACAGGTATCTGCCAGAATTTGCCACAGGAAACGAC
AGGAAGGAGGCTGCGGAGAACAGCCTAGTGGCTTATAAAGCTGCTAGTGATATTGCAATG
ACAGAACTTCCACCAACGCATCCTATTCGCTTAGGTCTTGCTCTCAATTTTTCCGTATTC
TACTACGAAATCTTAATTCCTGACCGTGCCTGCAGGTTGGCAAAGCAGCTTTTGAT
GATGCAATTGCAGAACTGGATACGCTGAGTGAAGAAAGCTATAAGGACTTACACTTATC
ATGCAGTTGTTACGTGATAATCTGACACTATGGACTTCAGACATGCAGGGTGACGGTGAA
GAGCAGAAATAAGAAGCGCTGCAGGACGTGGAAGACGAAAATCAGTGA

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Clone variation with respect to NM_006761.4



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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_006761.3 , NP_006752.1
RefSeq Size:	1810 bp
RefSeq ORF:	768 bp
Locus ID:	7531
UniProt ID:	P62258
Cytogenetics:	17p13.3
Domains:	14-3-3
Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle, Neurotrophin signaling pathway, Oocyte meiosis
Gene Summary:	<p>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 100% identical to the mouse ortholog. It interacts with CDC25 phosphatases, RAF1 and IRS1 proteins, suggesting its role in diverse biochemical activities related to signal transduction, such as cell division and regulation of insulin sensitivity. It has also been implicated in the pathogenesis of small cell lung cancer. Two transcript variants, one protein-coding and the other non-protein-coding, have been found for this gene. [provided by RefSeq, Aug 2008]</p> <p>Transcript Variant: This variant (1) represents the protein-coding transcript.</p>