

Product datasheet for **SC127317**

14-3-3 zeta (YWHAZ) (NM_003406) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	14-3-3 zeta (YWHAZ) (NM_003406) Human Untagged Clone
Tag:	Tag Free
Symbol:	14-3-3 zeta
Synonyms:	14-3-3-zeta; HEL-S-3; HEL-S-93; HEL4; KCIP-1; POPCHAS; YWHAD
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127317 sequence for NM_003406 edited (data generated by NextGen Sequencing) ATGGATAAAAATGAGCTGGTTTCAGAAGGCCAAACTGGCCGAGCAGGCTGAGCGATATGAT GACATGGCAGCCTGCATGAAGTCTGTAAGTCTGAACTGAGCAAGGAGCTGAATTATCCAATGAGGAG AGGAATCTTCTCTCAGTTGCTTATAAAAATGTTGTAGGAGCCGTAGGTCATCTTGGAGG GTCGTCTCAAGTATTGAACAAAAGACGGAAGGTGCTGAGAAAAACAGCAGATGGCTCGA GAATACAGAGAGAAAAATTGAAACGGAGCTAAGAGATATCTGCAATGATGACTGTCTCTT TTGGAAAAGTTCTTGATCCCAATGCTTACAAGCAGAGAGCAAAGTCTTCTATTTGAAA ATGAAAGGAGATTACTACCGTTACTTGGCTGAGGTTGCCGCTGGTGATGACAAGAAAGGG ATTGTCGATCAGTCACAACAAGCATAACCAAGAAGCTTTTAAAATCAGCAAAAAGGAAATG CAACCAACACATCCTATCAGACTGGGTCTGGCCCTTAACTTCTCTGTGTTCTATTATGAG ATTCTGAACTCCCAGAGAAAGCCTGCTCTTTGCAAAGACAGCTTTTGATGAAGCCATT GCTGAACTTGATACATTAAGTGAAGAGTCATAAAGACAGCACGCTAATAATGCAATTA CTGAGAGACAACCTTGACATTGTGGACATCGGATACCCAAGGAGACGAAGCTGAAGCAGGA GAAGGAGGGGAAAATTAA Clone variation with respect to NM_003406.3 261 g=>a



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003406 unedited
 GTCAGAATTTGTATACGACTCCTATAGGGCGGCCGCAATTCGCACGAGCAGGGACAGAG
 TCTCAGCCTCGCCGCTGCTGCCGCCGCCGCCAGAGACTGCTGAGCCCGTCCGTCCG
 CCGCCACCACCCACTCCGGACACAGAACATCCAGTCATGGATAAAAAATGAGCTGGTTCAG
 AAGGCCAAACTGGCCGAGCAGGCTGAGCGATATGATGACATGGCAGCCTGCATGAAGTCT
 GTAACAGCAAGGAGCTGAATTATCCAATGAGGAGAGGAATCTTCTCTCAGTTGCTTAT
 AAAAAATTTGTAGGAGCCGTAGGTCATCTTGGAGGGTCTCAAGTATTGAACAAAAG
 ACGGAAGGTGCTGAGAAAAACAGCAGATGGCTCGAGAATACAGAGAGAAAATTGAAACG
 GAGCTAAGAGATATCTGCAATGATGTAAGTCTCTTTTTGAAAAGTTCTTGATCCCAAT
 GCTTCACAAGCAGAGAGCAAAGTCTTCTATTTGAAAATGAAAGGAGATTACTACCGTTAC
 TTGGCTGAGGTTGCCGCTGGTATGACAAGAAAGGGATTGTCGATCAGTCACAACAAGCA
 TACCAAGAAGCTTTTAAATCAGCAAAAAGGAAATGCAACCAACACATCCTATCAGACTG
 GGTCTGGCCCTTAACTTCTGTGTTCTATTATGAGATTCTGAACCTCCCAGAGAAAGCC
 TGCTCTCTGCANAGACAGCTTTTATGATGAAGCCATTGCTGAACCTGATACATTAAGTAA
 GAGTCATACAAAGACAGCAGCTAATAATGNCATTACTGAGAGACAACCTGACATTGTGG
 ACATCGNATACCCAAGNAGACGAAGCTGAAAGCAGAGAAGGAGGGGAANAATNNACCGNN
 CTCCAACCTTTGTCTGCCTCATTCTAAAATTACCAGTAGACCATTGTCATCCTGCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003406 unedited
 AGGATCGAGTTTTTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGCCCCATCT
 CAATATTTATTGAGCATTACAGGGTACTAGGCCCATAGAACATACGAAAACATTGTC
 CCTGCTCTTGAGGAGCTTACATTCTAAAAAATAACACCTTTTTTAAATGGCATT
 TTGGTTGGTGTTTTTGCAAAGTACTGAGGAAATATTTTGGAAAGGGAGCTTTGGGTATA
 ACTTAACCCCTCATTTTTTAAAGAATAGAGGAGGAAGAAAGAGGAAGGGTTTTTAAAGGC
 CGACAATGGCCGACCTTCCGGATAGGGAGGGTTTTAAAGGGAGATAAACACAGTCTCAT
 CAACTAAGGAGAGATTTGCTGCCGTAATAGGATGAGGGAAAAATCTGTGGGATGCAAA
 CCAAGGAAACCGGGGCCCTAAACACTGGGTGGAGCCAGAAAGATCATGCCGCCCTTTTC
 CAAGTTCTGGGCCCAATAAAAAATGGGTGGTGACCAGACAAAAAGGTTGAACCAAGGAG
 GGGATCTTGGGGCCCGCCAATAGGAAGAATAAAGGGTTCAAATTTGAAGGGGGCTTT
 AAAGGTTCCAGGAATCTTTAAACCAAAAGTGGTTTGGGAACCCCAACCTTCAGGTTA
 TGGTCCCCATGGTCTGGTTGGCCACAACATTTGGGGCGTTCCAAATTAATAAATGCC
 CTTGCCCAAAATTTTAAATGGGACCACCCCTTTTTTTTTTAAAAAACCCCCCTCTT
 CCACAAAAAAGAGACTCACTTTTTTATAGGGGGGGGGAAAAAAGGGTTCATT
 GGGCCCTGAACCCCTTTTTTATTAAGAGGGATTTTGGTTA

Restriction Sites:

NotI-NotI

ACCN:

NM_003406

Insert Size:

3000 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_003406.2 , NP_003397.1
RefSeq Size:	2834 bp
RefSeq ORF:	738 bp
Locus ID:	7534
UniProt ID:	P63104
Cytogenetics:	8q22.3
Domains:	14-3-3
Protein Pathways:	Cell cycle, Neurotrophin signaling pathway, Oocyte meiosis, Pathogenic Escherichia coli infection
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 99% identical to the mouse, rat and sheep orthologs. The encoded protein interacts with IRS1 protein, suggesting a role in regulating insulin sensitivity. Several transcript variants that differ in the 5' UTR but that encode the same protein have been identified for this gene. [provided by RefSeq, Oct 2008]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 2. All six transcripts encode the same protein.</p>