

## Product datasheet for **SC319559**

### 14-3-3 sigma (SFN) (NM\_006142) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** 14-3-3 sigma (SFN) (NM\_006142) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** 14-3-3 sigma  
**Synonyms:** YWHAS  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_006142.3  
GCAGGAGAGACACAGAGTCCGGCATTGGTCCCAGGCAGCAGTTAGCCCGCCGCCCGCTG  
TGTGTCCCAGAGCCATGGAGAGAGCCAGTCTGATCCAGAAGGCCAAGCTGGCAGAGCAG  
GCCGAACGCTATGAGGACATGGCAGCCTTCATGAAAGGCCCGCTGGAGAAGGGCGAGGAG  
CTCTCCTGCGAAGAGCGAAACCTGCTCTCAGTAGCCTATAAGAACGTGGTGGGCGGCCAG  
AGGGCTGCCTGGAGGGTGTGTCCAGTATTGAGCAGAAAAGCAACGAGGAGGGCTCGGAG  
GAGAAGGGGCCCGAGGTGCGTGAGTACCGGGAGAAGGTGGAGACTGAGCTCCAGGGCGTG  
TGCGACACCGTGTGGCCTGCTGGACAGCCACCTCATCAAGGAGGCCGGGGACGCCGAG  
AGCCGGGTCTTCTACCTGAAGATGAAGGGTGACTACTACCGCTACCTGGCCGAGGTGGCC  
ACCGGTGACGACAAGAAGCGCATATTGACTCAGCCCGGTGAGCCTACCAGGAGGCCATG  
GACATCAGCAAGAAGGAGATGCCGCCACCAACCCCATCCGCCTGGCCCTGGCCCTGAAC  
TTTTCCGTCTTCCACTACGAGATCGCCAACAGCCCGAGGAGGCCATCTCTTGCCCAAG  
ACCACTTTCGACGAGGCCATGGCTGATCTGCACACCCTCAGCGAGGACTCCTACAAGAC  
AGCACCCTCATATGCAGCTGCTGCGAGACAACCTGACACTGTGGACGGCCGACAACGCC  
GGGGAAGAGGGGGGCGAGGCTCCCCAGGAGCCCCAGAGCTGAGTGTGGCCGCCACCGCC  
CCGCCCTGCCCTCCAGTCCCCACCCCTGCCGAGAGGACTAGTATGGGGTGGGAGGCC  
CACCTTCTCCCCTAGGCGCTGTCTTGCTCCAAGGGCTCCGTGGAGAGGGACTGGCAG  
AGCTGAGGCCACCTGGGGCTGGGGATCCCACTCTTCTTGACAGTGTGAGCGCACCTAAC  
CACTGGTCATGCCCCACCCCTGCTCTCCGACCCGCTTCCCTCCGACCCAGGACCAGG  
CTACTTCTCCCCTCCTTGGCCTCCTGCCCCCTGCTGCCTCTGATCGTAGGAATTGA  
GGAGTGTCCCGCCTTGTGGCTGAGAAGTGGACAGTGGCAGGGGCTGGAGATGGGTGTGTG  
TGTGTGTGTGTGTGTGTGTGTGCGCGCGGCCAGTGAAGACCGAGATTGAGGGAAAAG  
CATGTCTGCTGGGTGTGACCATGTTTCTCTCAATAAAGTTCCCTGTGACTCCTAAAAA  
AA  
AA

**Restriction Sites:** Please inquire



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<b>ACCN:</b>	NM_006142
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_006142.3</a></u> , <u><a href="#">NP_006133.1</a></u>
<b>RefSeq Size:</b>	1336 bp
<b>RefSeq ORF:</b>	747 bp
<b>Locus ID:</b>	2810
<b>UniProt ID:</b>	<u><a href="#">P31947</a></u>
<b>Cytogenetics:</b>	1p36.11
<b>Domains:</b>	14-3-3
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Protein Pathways:</b>	Cell cycle, p53 signaling pathway
<b>Gene Summary:</b>	This gene encodes a cell cycle checkpoint protein. The encoded protein binds to translation and initiation factors and functions as a regulator of mitotic translation. In response to DNA damage this protein plays a role in preventing DNA errors during mitosis. [provided by RefSeq, Aug 2017]