

## Product datasheet for SC116970

### SIAH2 (NM\_005067) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SIAH2 (NM_005067) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIAH2
Synonyms:	hSiah2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116970 sequence for NM_005067 edited (data generated by NextGen Sequencing)

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ATGAGCCGCCCTCCTCCACCGCCCCAGCGCTAATAAACCTGCAGCAAGCAGCCGCCG
CCGCAGCCCCAGCACACTCCGTCGCCCGGCTGCGCCCCGCGCCGCCACCATCTCGGCT
GCGGGCCCCGGCTCGTCCGCGGTGCCCGCCGCGCGCGGTGATCTCGGGCCCCGCGGC
GGCGGGGGGGCCGGCCCGGTGTCCCGCAGCACCAGAGCTGACCTCGCTCTCGAGTGT
CCGGTCTGCTTTGACTATGCTCCTGCCTCCTATTCTGCAGTGCCAGGCCGGGCACCTGGT
TGTAACCAATGCCGCCAGAAGTTGAGCTGCTGCCCGACGTGCAGGGGGCCCTGACGCC
AGCATCAGGAACCTGGCTATGGAGAAGGTGGCCTCGGCAGTCCTGTTCCCTGTAAGTAT
GCCACCACGGGCTGTTCCCTGACCCTGCACCATACGGAGAAACCAGAACATGAAGACATA
TGTGAATACCGTCCCTACTCCTGCCCATGCTCCTGGTGCTTCTGCAAGTGGCAGGGGTCC
CTGGAAGCTGTGATGTCCCATCTCATGCACGCCCAAGAGCATTACCACCTTCAGGGA
GAAGACATCGTCTTTCTAGCTACAGACATTAACTTGCCAGGGGCTGTCGACTGGGTGATG
ATGCAGTCATGTTTTGGCCATCACTTCATGCTGGTGTGGAGAAACAAGAGAAGTACGAA
GGCCACCAGCAGTTTTTTGCCATCGTCCTGCTCATTGGCACCCGCAAGCAAGCCGAGAAC
TTTGCCTACAGACTGGAGTTGAATGGGAACCGCGGAGATTGACCTGGAAGGCCACGCC
CGTTCGATTCATGACGGTGTGGCTGCGGCCATCATGAACAGCGACTGCCTTGTTCGAC
ACAGCCATAGCACATCTTTTGCAGATAATGGGAACCTTGGAAATCAATGTTACTATTTCT
ACATGTTGTCCATGA

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Clone variation with respect to NM\_005067.5  
829 g=>a



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_005067 unedited  
 GCATTTTGTAAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGCTGCGCACCG  
 CTGGGGTTCGGGGCCCGGGACGCCGCCGGGAGGAGGGCACCGCGCGGGTCCGACGCGGA  
 GGCGTGTCTGGAACGCCGGGGTTCGCGAGTGCATCAGCGCGTCCAGCCCTCCGCTGC  
 CGGGCCCGAGCGTCTCCGCCCGGACCTGGCTGCGCGCCGTGGCGTTGCCTCGGAG  
 CTCGCTGCCCGCGGGGCGGCACCGCCTTGACCCGGGCGGCCCGCGGCAGGCAGGCGCC  
 CGCAGTCCATGGTTGGTTCGGAGCGCATGAGCCGCCCTCCACCGGCCCGCCAGCGC  
 TAATAAACCTGCAGCAAGCAGCCGCCCGCAGCCCGCAGCACACTCCGTCGCCCGCTGC  
 GCCCGCGCCCGCCACCATCTCGGCTGCGGGCCCGGCTCGTCCGCGGTGCCCGCCG  
 GCGCGCGTGATCTCGGCCCGCGCGCGCGGNGCCGCGCCGTTGCCCGCAGCA  
 CCACGAGTGCCTCGCTCTTCGAGTGTCCGGTCTGCTTTGACTATGTCCTGCCTCTAT  
 TCTGCAGTGCCAGGCCGGCACCTGGTGTGAACCAATGCCGCCAGAAGTTGAGCTGCTG  
 CCCGACGTGCAGNGCGCCCTGACGCCAGCATCAGGAACCTGGCTATGGAGAAGTGGG  
 CCTCGCAGTCTGGTTTCTGTTAGTATGCCACCAGGGCCTGTCTCTGACCCTGCACC  
 ATACCGGAGAACCAGAACATGAAGACATATGTGAATACCGTCCCTACTNCTGGCCATGTC  
 CTGGTGCTTCTCGAGATGGCAAGGGTCCCTGGAAGCTTGGATGTCCCATCTCATGCACG  
 CCCACAANAGCATTACCACCTTCAAGGGGAGAACATCGTCTTCTAGCTACAGACATAA  
 CTTGCCAGGG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_005067 unedited  
 GGTTTGGGGAAATAATTTATTAATAAACTAGTGAATGGTGGCAGNAAAAACAAACCAA  
 CACACAGCTTTAAATAGCAAGCATATGACACACCGTTATAAAGCTTTTCCAACCTACT  
 GATTTAGTCTTTACACCAGCTACTGTTGAGGAGGGCTCCGAGGGAAGCCACGTGTAAA  
 CGGGTCATCTGTACTAGTGGTGAGCAAACTAATTACATGAGAACTATCAATGGCCATAT  
 GACTTGCTTTCCTAGGCAATCCACCCAAAACATAGGTGAGTGGCCAAATCTCAGGCGTGC  
 GTTCATGTGGATCTATAGTTCTAGTTTTAATTTGAGGGTTGGGGGAAGTTAGGGGATGAA  
 ACAGTAGAAAGACAAACAGTATCGGCAGAGGGCAACCTTAAAGCACCTTTAAATCTGGA  
 CCCTTTCCACAATTTAACCAGTAATTTCTAAACATTACTGTTGAAAAGAAATCACCTGA  
 TGAGACTGTTAAATTGGCAGGCTTCCTAAATCTGCATTTAAGATAAGCACCTCGGGTGA  
 TTCAGTGTCTATTAGCCAGNCATTCAATTTCAGAAACTGTTTAAATGGATTANAACA  
 ATTNCTACCTTCCAAACCAAAGTAAGGGATCTGGTGACAGCACTGGGCTTTTGTATGG  
 CAGGGGACCATTTTGGAAAGCAGGCAAGAAAGGGCCTTCCATTCTTACACACTGGATCA  
 TATGAAGCCCTGTGCCACAACCTGGCAAGTGTGTGTTAGGGGTAATCCAATTTAATA  
 AGAGAGTGGTTAATTACCAGAACAGTTCACAATAACCACAGGGCAACCCCTTTATTCC  
 CGGTAAATGAACTTGTGGGCCAAACCCAGAGGACCCTGTTGTTTAAAAAAAACG  
 GGAATTGGGGGTCTGCCTGGGAGAACATTGGGAAAAAACCTTT

**Restriction Sites:**

ECoRI-NOT

**ACCN:**

NM\_005067

**Insert Size:**

2500 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<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>	<a href="#">NM_005067.5</a> , <a href="#">NP_005058.3</a>
<b>RefSeq Size:</b>	2632 bp
<b>RefSeq ORF:</b>	975 bp
<b>Locus ID:</b>	6478
<b>UniProt ID:</b>	<a href="#">O43255</a>
<b>Cytogenetics:</b>	3q25.1
<b>Domains:</b>	Sina
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	This gene encodes a protein that is a member of the seven in absentia homolog (SIAH) family. The protein is an E3 ligase and is involved in ubiquitination and proteasome-mediated degradation of specific proteins. The activity of this ubiquitin ligase has been implicated in regulating cellular response to hypoxia. [provided by RefSeq, Jul 2008]