

Product datasheet for **SC323731**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_005067.5
 GGACGCGTGGGCGGACGCGTGGGCTGTTCCAGAAGCGGGTGGGCCAGGGCTCTGCGCACC
 GCTGGGGTTTCGGGGCCCGGGACGCCCGGGAGGAGGGCACCCGCGGGGTCCGACGCGG
 AGGCGTGTCTCGGAACGCCGGGGGCTGCGGAGTGCATCAGCGCGGTCCAGCCCTCCGCCTG
 CCGGGCGCCGAGCGTCTCCGCCCGCCGACCTGGGCTGGGCGCGTGGCGTTGCCTCGGA
 CCTCGTGCCTCGGGGGCGCGCACCCGCTTGACCCGGGCGGCCCCGCGGCAGGCAGGCGC
 CGCAGTTCATGGTTGGTTCGGAGCGGATGAGCCGCCCGTCTCCACCGGCCCCAGCG
 CTAAATAACCCTGCAGCAAGCAGCCGCCCGCAGCCCCAGCACACTCCGTCCCCGGCTG
 CGCCCCGGCGCGCCACCATCTCGGCTGCGGGCCCCGGCTCGTCCGCGGTGCCCGCCG
 CGGCGGCGGTGATCTCGGGCCCCGGCGGCGGCGGGGCCGGCCGGTGTCCCCGACG
 ACCACGAGCTGACCTCGCTCTTCGAGTGTCCGGTCTGCTTTGACTATGCTCCTGCCTCCTA
 TTCTGCAGTGCCAGGCCGGGCACCTGGTGTGTAACCAATGCCGCCAGAAGTTGAGCTGCT
 GCCCGACGTGCAGGGCGCCCTGACGCCAGCATCAGGAACCTGGCTATGGAGAAGTGG
 CCTCGGACGTCTGTTTCCCTGTAAGTATGCCACCACGGGCTGTTCCCTGACCCTGCACC
 ATACGGAGAAACCAGAACATGAAGACATATGTGAATACCGTCCCTACTCCTGCCATGTC
 CTGGTGCTTCTGCAAGTGGCAGGGTCCCTGGAAGCTGTGATGTCCATCTCATGCACC
 CCCACAAGAGCATTACCACCTTCAGGGAGAAGACATCGTCTTTCTAGCTACAGACATTA
 ACTTGCCAGGGGCTGTCGACTGGGTGATGATGCAGTCATGTTTTGGCCATCACTTCATGC
 TGGTGCTGGAGAAACAAGAGAAGTACGAAGGCCACCAGCAGTTTTTTGCCATCGTCTGC
 TCATTGGCACCCGAAGCAAGCCGAGAACTTTGCCTACAGACTGGAGTTGAATGGGAACC
 GGGGAGATTGACCTGGGAGGCCACGCCCGTTTCGATTGACGGTGTGGCTGCGGCCA
 TCATGAACAGCGACTGCCTTGTTCGACACAGCCATAGCACATCTTTTTGCAGATAATG
 GGAACCTTGGAAATCAATGTTACTATTTCTACATGTTGTCCATGATGTGACTTTTCGTAAC
 CTTCAAAATTTGGGCATAGTCTCTATGTTTAAATAAGGTTTTTATAGATGTTTTAT
 TCCATATGCTTTCACAAGTCAGGACCCACAATTACCCGTGTTTTGTTTGAACAGCAGTGT
 CCCATCTGGCTTCGACCCAAACAAGTTCATTAACCTGGGATGAATGGGGTTGGCCTGTTG
 GTGATTTGGATGCTGTTCTGTGATCTAAAACAACCTTATTGAATTGATTTACTCCCTA
 AACAACTTGCAGGCTGTTGCACAGGGCTTCTATAAGATCAGTGTGTTAGGAATGGGA
 GGCCCTTCTGCCTGCCTTCCCATATTGGTCCCTTGACATTGACAAAAGCACAGTGACT
 GTCAGCAGATTCCTTTACTTTTGTGGGAGGTAGGAATTGTTTTAATGCATTTTAAA
 CAGTGTCTGAAATTGGATGGCTGGCTAATAGACTGAATCACCCGGAGTGCTTATCT
 TAAAATTGCAGATTTAGGAGCCTGCCAATTTAACAGTCTCATCAGGTGATTCCTTTCAA
 CAGTAATGTTTGAGAATTACTGGGTTAAATTGTGGGAAAGGGTCCAGATTTTAAAGGTGC
 TTTAAGGTTGCCCTCTGCCGATACTGTTGTCTTTCTACTGTTTCATCCCCTAECTCCC
 CCAACCTCAAATTAACACTAGAATAAGATCCACATGAACGCACGCCTGAGATTTGGC
 CACTCACCTATGTTTTGGGTGGATTGCCTAGGAAAGCAAGTCATATGGCCATTGATAGTT
 CTCATGTAATTAGTTTTGCTCACCAGTACAGATGACCCGTTACACGTGGCTTCCCT
 CGGAAGCCCTCCTCAACAGTAGCTGGTGTGAAAGACTAAATCAGTAGAGTTGAAAAGCT
 TTATAACCGGTGTGCATATGCTTGCTATTTAAAGCTGTGTGTTGGTTTTGTTTTCTGC
 CACATTCAGTTTTTTAAATAATTTTCAAAAATGAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAA

Restriction Sites: ECoRI-NOT
ACCN: NM_005067

OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
OTI Annotation:	<p>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.</p>
Components:	<p>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).</p>
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:	<p>NM_005067.5, NP_005058.3</p>
RefSeq Size:	<p>2632 bp</p>
RefSeq ORF:	<p>975 bp</p>
Locus ID:	<p>6478</p>
UniProt ID:	<p>O43255</p>
Cytogenetics:	<p>3q25.1</p>
Domains:	<p>Sina</p>
Protein Families:	<p>Druggable Genome, Transcription Factors</p>
Gene Summary:	<p>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]</p>