

Product datasheet for SC118259

SIAH1 (NM_003031) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIAH1 (NM_003031) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIAH1
Synonyms:	BURHAS; SIAH1A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118259 sequence for NM_003031 edited (data generated by NextGen Sequencing)

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ATGAGCCGTCAGACTGCTACAGCATTACCTACCGGTACCTCGAAGTGCCACCATCCCAG
AGGGTGCCTGCCCTGACTGGCACAACTGCATCCAACAATGACTTGCGGAGTCTTTTTGAG
TGCCAGTCTGCTTTGACTATGTGTTACCGCCATTCTTCAATGTCAGAGTGCCATCTT
GTTTGTAGCAACTGTCGCCAAAGCTCACATGTTGTCCAATTGCCGGGGCCCTTTGGGA
TCCATTGCAACTGGCTATGGAGAAAGTGGCTAATTCAGTACTTTCCCTGTAAATAT
GCGTCTTCTGGATGTGAAATAACTCTGCCACACAGAAAAGCAGACCATGAAGAGCTC
TGTGAGTTTAGGCCTTATTCCTGTCGGTCCCTGGTGCTTCTGTAAATGGCAAGGCTCT
CTGGATGCTGTAATGCCCATCTGATGCATCAGCATAAGTCCATTACAACCCTACAGGGA
GAGGATATAGTTTTTCTGCTACAGACATTAATCTTCTGGTGCTTTGACTGGGTGATG
ATGCAAGTCTGTTTTGGCTTTCATTTAGTCTTAGAGAAACAGGAAAAATACGAT
GGTCACCAGCAGTTCTTCGCAATCGTACAGCTGATAGGAACACGCAAGCAAGCTGAAAT
TTTGCTTACCGACTTGAGCTAAATGGTCATAGGCGACGATTGACTTGGGAAGCGACTCCT
CGATCTATTATGAAGGAATTGCAACAGCCATTATGAATAGCGACTGTCTAGTCTTTGAC
ACCAGCATTGCAGCTTTTTGCAGAAAATGGCAATTTAGGCATCAATGTAACATTTTCC
ATGTGTTGA
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Clone variation with respect to NM_003031.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003031 unedited
 GGTCTGAATTTGTATACGACTCATATAGGGCGGCCGCGATTCCGGCAGGAGCCGGGGCGGC
 CGTTGCGGGGCGCGCTCTCGAGAGGCGGGCGGGCCAGGGTGTCCCGTCCGGTCTCGGCG
 CCGGAAGAGGGCGGTGGCGCTGCCCGCGGTGGCGGGGGTTGGCGACGGAGCGGTTGGTG
 CCAGGACCGGGGTCCGAGGCGCGCTCTCCGCCACAGAAATGAGCCGTGACTGCTACA
 GCATTACCTACCGGTACCTCGAAGTGTCCACCATCCCAGAGGGTGCCTGCCCTGACTGGC
 ACAACTGCATCCAACAATGACTTGGCGAGTCTTTTTGAGTGTCCAGTCTGCTTTGACTAT
 GTGTTACCGCCATTCTCAATGTGAGAGTGGCCATCTTGTTTGTAGCAACTGTCGCCCA
 AAGCTCACATGTTGTCCAACCTGCCGGGCCCTTTGGGATCCATTCGCAACTTGGCTATG
 GAGAAAGTGGCTAATTCAGTACTTTTCCCTGTAATATGCGTCTTCTGGATGTGAAATA
 ACTCTGCCACACAGAAAAAGCAGACCATGAAGAGCTCTGTGAGTTTAGGCCTATTCC
 TGTCCGTGCCCTGGTCTTCTGTAATGGCAAGGCTCTCTGGATGCTGTAATGCCCCAT
 CTGATGCATCAGCATAAGTCCATTACAACCTACAGGGAGAGGATATAGTTTTTCTTGCT
 ACAGACATTAATCTTCTGGTGTGTTGACTGGGTGATGATGCAGTCTGTTTTGGCTTT
 CACTTCATGTTAGTCTTAGAGAAAACAGGANAAATACGATGGTCACCAGCAGTTCTTCGCA
 ATCGTACAGCTGATAGGAACCACGCAGCAGCTGAAAATTTGCTTACCGACTGAGCTAAAT
 GTCAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003031 unedited
 CCGCAATCTAAAGTGCAGTTTTTTTTTTTTTTTTTTAATTTGCCAGATATCTTTTAATG
 AGAATTATAAAAGACCAAAAACATTTTTTGCAAACCTGCCTTTTTAAACAAATGATTTGCT
 TTTAATTACAAAATGTCATGACGATGCCTTCTTCTGAAAACCAATAAATACAAGAA
 CAAATTTTAAAAATATGTGATTTGTCCAAGATATCTGAAAAAGGAAACAAAAGCCTGATTT
 GCAGTATTATAAAAATCAATTTATTCTTAACCTTTCAAAGATTAAGCTCAAAGGTGTG
 ACTCATCTGTAGAAGACAGAAAGAGAGCACCTTATAGATGCTTTAAATAGCTTTTGATTA
 TTTTTCCGATGTCACCTTTACTTTCTGGAACCTCATGGCTTACAAAAATAGCTGATTTTAA
 AATATTCTAATGAACTGATTAATGGGGGAAAAGAAAATATTGAACACGTTATAAATTTT
 TTACCATAAAACAAATATGCATATCAAAAGATACTAACTTTAAAATGGTACAAAAAAGGA
 AAAACCTGAATTACAGAAAAGTCAAATTTATTTAATGAAAACTAAAATTAATAAAAAATT
 AGCAAATACACAAAAAAGCACACAGCAGCACTATGTATTGACTCACAAAGGGAAAAG
 CAGTGGCCATGACCACTCAAGATGGCTTGTGAGTTAAAGGAAAAAACCCAAACACGCA
 CACACCCACGCATGCACACACTTCCACGCANAAACAACCTTTTNTCAACATACATCAATCT
 ACACAAACACAAAACCTCAGAATATTTTACAATGCTTCTTTTCTTATTACAAAGATGCCA
 TCTTGGGTGTATACATATATTNTTCCAGAGGTTACTGTTGACTTATTNTAAATATATT
 AGGGNTACTAACTGCACCTGTTTCTGTTTTTACAAGCCTTCTTTTNTATTACCTCATGT
 GTCTAGCTTCCACCTACGAAGAGTTTTAGTGGCNAACGAGGTGCCTTT

Restriction Sites:

ECoRI-NOT

ACCN:

NM_003031

Insert Size:

2180 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_003031.3 , NP_003022.3
RefSeq Size:	2003 bp
RefSeq ORF:	849 bp
Locus ID:	6477
UniProt ID:	Q8IUQ4
Cytogenetics:	16q12.1
Domains:	Sina
Protein Families:	Druggable Genome
Protein Pathways:	p53 signaling pathway, Ubiquitin mediated proteolysis, Wnt signaling pathway
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 the development of certain forms of Parkinson's disease, the regulation of the cellular response to hypoxia and induction of apoptosis. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the smaller isoform (1).</p>