

## Product datasheet for SC301071

### SIAH1 (NM\_001006610) Human Untagged Clone

#### Product data:

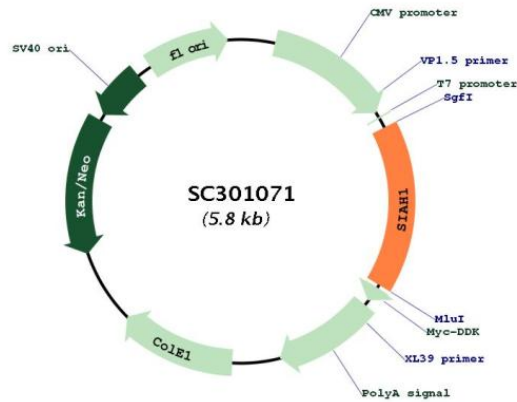
Product Type:	Expression Plasmids
Product Name:	SIAH1 (NM_001006610) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIAH1
Synonyms:	BURHAS; SIAH1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301071 representing NM_001006610. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGACGGGAAAGGCTACTCCACCTTCTCTGTACTCCTGGAGGGGAGTCTTGTTCCACATGTTTACCAGCG
GCCAGGACAAGGAAGAGAAAAGAAATGAGCCGTCAGACTGCTACAGCATTACCTACCGGTACCTCGAAG
TGTCCACCATCCCAGAGGGTGCCTGCCCTGACTGGCACAACGTCATCCAACAATGACTTGGCGAGTCTT
TTTGAGTGTCCAGTCTGCTTTGACTATGTGTTACCGCCATTCTCAATGTCAGAGTGGCCATCTTGTT
TGTAGCAACTGTCGCCAAAGCTCACATGTTGTCCAACCTGCCGGGGCCCTTTGGGATCCATTGCAAC
TTGGCTATGGAGAAAGTGCTAATTCAGTACTTTCCCTGTAATATGCGTCTTCTGGATGTGAAATA
ACTCTGCCACACAGAAAAAGCAGACCATGAAGAGCTCTGTGAGTTTAGGCCTTATCCTGTCCGTGC
CCTGGTGCTTCTGTAATGGCAAGGCTCTCTGGATGCTGTAATGCCCATCTGATGCATCAGCATAAG
TCCATTACAACCCTACAGGGAGAGGATATAGTTTTTCTTGCTACAGACATTAATCTTCTGGTGCTGTT
GACTGGGTGATGATGCAGTCTGTTTTGGCTTTCACCTCATGTTAGTCTTAGAGAAACAGGAAAAATAC
GATGGTCACCAGCAGTCTTCGCAATCGTACAGCTGATAGGAACACGCAAGCAAGCTGAAAAATTTGCT
TACCGACTTGAGCTAAATGGTCATAGGCGACGATTGACTTGGGAAGCGACTCCTCGATCTATTCATGAA
GGAATTGCAACAGCCATTATGAATAGCGACTGTCTAGTCTTTGACACCAGCATTGCACAGCTTTTTGCA
GAAAAATGGCAATTTAGGCATCAATGTAACATTTCCATGTGTGA
ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001006610

**Insert Size:** 942 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).

**OTI Annotation:** 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.

**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:**

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\\_001006610.1](#)

**RefSeq Size:** 2393 bp

**RefSeq ORF:** 942 bp

<b>Locus ID:</b>	6477
<b>UniProt ID:</b>	<a href="#">Q8IUQ4</a>
<b>Cytogenetics:</b>	16q12.1
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	p53 signaling pathway, Ubiquitin mediated proteolysis, Wnt signaling pathway
<b>MW:</b>	34.6 kDa
<b>Gene Summary:</b>	<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 (2) includes an alternate 5' exon and uses an upstream AUG compared to variant 1. The resulting protein (isoform b) is longer and has a distinct N-terminus compared to isoform a.</p>