

## Product datasheet for RC206576

### SIAH1 (NM\_003031) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SIAH1 (NM_003031) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SIAH1
Synonyms:	BURHAS; SIAH1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206576 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGGGAAAGGCTACTCCACCTTCTCTGTAAGGAGTCTTGTTCACATGTTTACCAGCGG  
CCAGGACAAGGAAGAGAAAAGAAATGAGCCGTGACTGCTACAGCATTACCTACCGGTACCTCGAAGTG  
TCCACCATCCCAGAGGGTGCCTGCCCTGACTGGCACAACGATCAACAATGACTTGGCGAGTCTTTT  
GAGTGCCAGTCTGCTTTGACTATGTGTTACCGCCATTCTCAATGTCAGAGTGGCCATCTTGTGTTGA  
GCAACTGTCGCCAAAGCTCACATGTTGTCCAACCTGCGGGGCCCTTTGGGATCCATTCGCAACTGGC  
TATGGAGAAAGTGCTAATTCAGTACTTTCCCTGTAAATATGCGTCTTCTGGATGTGAAATAACTCTG  
CCACACACAGAAAAGCAGACCATGAAGAGCTCTGTGAGTTTAGCCCTATTCTGTCCGTGCCCTGGTG  
CTTCTGTAAATGGCAAGGCTCTCTGGATGCTGTAATGCCCATCTGATGCATCAGCATAAGTCCATTAC  
AACCTACAGGGAGAGGATATAGTTTTCTTGCTACAGACATTAATCTTCTGGTGTGTTGACTGGGTG  
ATGATGCAGTCTGTTTTGGCTTCACTTCATGTTAGTCTTAGAGAAACAGGAAAAATACGATGGTCACC  
AGCAGTTCTTCGCAATCGTACAGCTGATAGGAACGCAAGCAAGCTGAAAATTTGCTTACCGACTGA  
GCTAAATGGTCAATAGCGACGATTGACTTGGGAAGCGACTCCTCGATCTATTCAATGAAGGAATTGCAACA  
GCCATTATGAATAGCGACTGTCTAGTCTTTGACACCAGCATTGCACAGCTTTTTCAGAAAATGGCAATT  
TAGGCATCAATGTAACATTTCCATGTGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC206576 protein sequence  
Red=Cloning site Green=Tags(s)

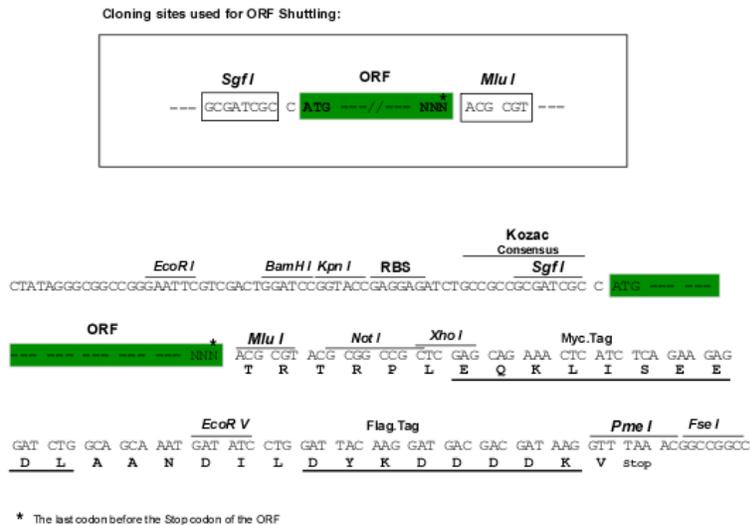
MTGKATPPSLYSWRGVLFTCLPAARTRKRKEMSRQTATALPTGTSKCPPSQRPALTGTTASNNDLASLF  
 ECPVCFDYVLPPIILQCQSGHLVCSNCRPKLTCCPTCRGPLGSIRNLAMEKVANSVLPCKYASSGCEITL  
 PHTEKADHEELCEFRPYSCPCPGASCKWQGLDAVMPHLMHQHSITTLQGEDIVFLATDINLPGAVDWW  
 MMQSCFGFHFMLVLEKQEKYDGHQQFFAIVQLIGTRKQAEAFAYRLELNHRRRLTWEATPRSIHEGIAT  
 AIMNSDCLVFDTSIAQLFAENGLGINVTISMC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6087\\_b06.zip](https://cdn.origene.com/chromatograms/mk6087_b06.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_003031

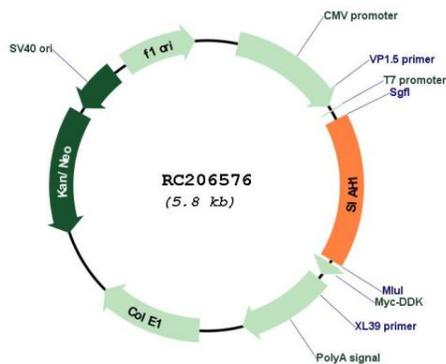
**ORF Size:** 939 bp

**OTI Disclaimer:** 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](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

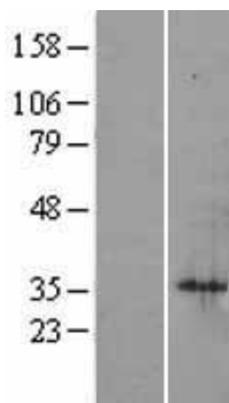
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq Size:</b>	2003 bp
<b>RefSeq ORF:</b>	849 bp
<b>Locus ID:</b>	6477
<b>UniProt ID:</b>	<a href="#">Q8IUQ4</a>
<b>Cytogenetics:</b>	16q12.1
<b>Domains:</b>	Sina
<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>	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]

Product images:



Circular map for RC206576



Western blot validation of overexpression lysate (Cat# [LY401063]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206576 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).