

Product datasheet for **RG206576**

SIAH1 (NM_003031) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SIAH1 (NM_003031) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SIAH1
Synonyms: BURHAS; SIAH1A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG206576 representing NM_003031
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACGGGAAAGGCTACTCCACCTTCTCTGTAAGGAGTCTTGTTCACATGTTTACCAGCGG
 CCAGGACAAGGAAGAGAAAAGAAATGAGCCGTGACTGCTACAGCATTACCTACCGGTACCTCGAAGTG
 TCCACCATCCCAGAGGGTGCCTGCCCTGACTGGCACAACGATCCAACAATGACTTGGCGAGTCTTTT
 GAGTGTCCAGTCTGCTTTGACTATGTGTTACCGCCATTCTTCAATGTCAGAGTGGCCATCTTGTGTTGA
 GCAACTGTCGCCAAAGCTCACATGTTGTCCAACCTTGCCGGGGCCCTTTGGGATCCATTGCAACTTGGC
 TATGGAGAAAGTGCTAATTCAGTACTTTCCCTGTAAATATGCGTCTTCTGGATGTGAAATAACTCTG
 CCACACACAGAAAAGCAGACCATGAAGAGCTCTGTGAGTTTAGGCCATTCTGTCCGTGCCCTGGTG
 CTTCTGTAAATGGCAAGGCTCTCTGGATGCTGTAATGCCCATCTGATGCATCAGCATAAGTCCATTAC
 AACCTACAGGGAGAGGATATAGTTTTCTTGCTACAGACATTAATCTTCTGGTGTGTTGACTGGGTG
 ATGATGCAGTCTGTTTTGGCTTCACTTCATGTTAGTCTTAGAGAAACAGGAAAATACGATGGTCACC
 AGCAGTTCTTCGCAATCGTACAGCTGATAGGAACGCAAGCAAGCTGAAAATTTGCTTACCGACTTGA
 GCTAAATGGTCATAGGCGACGATTGACTTGGGAAGCGACTCCTCGATCTATTCATGAAGGAATTGCAACA
 GCCATTATGAATAGCGACTGTCTAGTCTTTGACACCAGCATTGCACAGCTTTTGCAGAAAATGGCAATT
 TAGGCATCAATGTAACATTTCCATGTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206576 representing NM_003031
 Red=Cloning site Green=Tags(s)

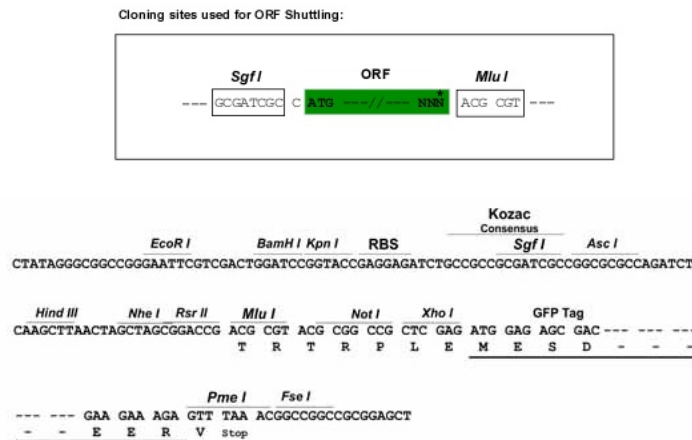
MTGKATPPSLYSWRGVLFTCLPAARTKRKRKEMSRQTATALPTGTSKCPPSQRPALTGTTASNNDLASLF
 ECPVCFDYVLPPIILQCQSGHLVCSNCRPKLTCCPTCRGPLGSIRNLAMEKVANSVLPCKYASSGCEITL
 PHTEKADHEELCEFRPYSCPCPGASCKWQGLDAVMPHLMHQHSITTLQGEDIVFLATDINLPGAVDWW
 MMQSCFGFHFMLVLEKQEKYDGHQOFFAIVQLIGTRKQAEFAYRLELNHRRRLTWEATPRSIHEGIAT
 AIMNSDCLVFDTSIAQLFAENGLGINVTISMC

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja3092_c04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003031

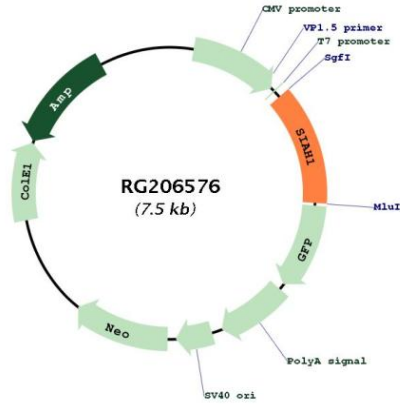
ORF Size: 846 bp

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 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](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<u>NM_003031.3</u> , <u>NP_003022.3</u>
RefSeq Size:	2003 bp
RefSeq ORF:	849 bp
Locus ID:	6477
UniProt ID:	<u>Q8IUQ4</u>
Cytogenetics:	16q12.1
Domains:	Sina
Protein Families:	Druggable Genome
Protein Pathways:	p53 signaling pathway, Ubiquitin mediated proteolysis, Wnt signaling pathway
Gene Summary:	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 RG206576