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Product datasheet for SC105440

SIAH1 (AK094663) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIAH1 (AK094663) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIAH1
Synonyms:	SIAH1A
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC105440 sequence for AK094663 edited (data generated by NextGen Sequencing)

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ATGGTTATAATTATTTTTCTCCTGCCTCCTTATGTATTTATTTCAGAAATGAGCCGTCAG
ACTGCTACAGCATTACCTACCGGTACCTCGAAGTGTCCACCATCCCAGAGGGTGCCTGCC
CTGACTGGCACAACTGCATCCAACAATGACTTGGCGAGTCTTTTTGAGTGTCCAGTCTGC
TTTGACTATGTGTTACCGCCCATTCTTCAATGTCAGAGTGGCCATCTTGTTTGTAGCAAC
TGTCGCCCAAAGCTCACATGTTGTCCAACTTGCCGGGGCCCTTTGGGATCCATTCGCAAC
TTGGCTATGGAGAAAGTGGCTAATTCAGTACTTTTCCCCTGTAAATATGCGTCTTCTGGA
TGTGAAATAACTCTGCCACACACAGAAAAAGCAGACCATGAAGAGCTCTGTGAGTTTAGG
CCTTATTCCTGTCCGTGCCCTGGTGCTTCCTGTAAATGGCAAGGCTCTCTGGATGCTGTA
ATGCCCCATCTGATGCATCAGCATAAGTCCATTACAACCCTACAGGGAGAGGATATAGTT
TTTCTTGCTACAGACATTAATCTTCCTGGTGCTGTTGACTGGGTGATGATGCAGTCCTGT
TTTGGCTTTCACTTCATGTTAGTCTTAGAGAAACAGGAAAAATACGATGGTCACCAGCAG
TTCTTCGCAATCGTACAGCTGATAGGAACACGCAAGCAAGCTGAAAATTTTGCTTACCGA
CTTGAGCTAAATGGTCATAGGCGACGATTGACTTGGGAAGCGACTCCTCGATCTATTCAT
GAAGGAATTGCAACAGCCATTATGAATAGCGACTGTCTAGTCTTTGNCACCAGCATTGCA
CAGCTTTTTGCAGAAAATGGCAATTTAGGCATCAATGTAACTATTTCCATGTGTTGA

Clone variation with respect to AK094663.1
827 c=>n
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View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for AK094663 unedited
GTATACGACTCCTATAGGGCGGCCGCGATTCGGCACGAGGATTCTCTTGTATAATTTAAG
TGATCTCTGGATTACTTAATACAATGTAAACAATATGTAAATAGTTGTTATAGACTGTAT
TTTAAAAATTTTGTATTCTTTATAAATTTTTCTGAATATTTTCAATCCATGGCTGGTGAA
GTCCTCGGATGCAGACCGTGTGGATACAGAGTGCCGATTTTATACAGGAGTTCACCTGTA
ACTCCCTGTACCTATCAACAGCTGACTCCAAATTAGAAAGAAATAGAGTAAGGGAGCCTC
AGGGAGAGTCCTAGCAAAACGGATTCGATTAAACTTCAGTTCCTTGTATAGTTTCTTTAG
TTGTTTATGGTCCATTTTCTATTTTAGCATTTATTATTCTATGTAGTCTATCCAAAGACG
ATTAAGGGAGTTCCACATGTTTTCCGGAACATTTTGAAAAGAGAGCTTATCCAGTGTACA
GATCCTAATAAAGTGCACATTCAGTGTAATTTTATTTTTTTAATATCTTTTTTAATCCTA
TTTTTCTTCCTCTTTTGCTCAGTAAATTTTGTATGAAACTTTAAAAGGACTTATGGCATG
TAAACATTATTTATAAAGTAAGTCATGGTTATAATTATTTTTCTCCTGCCTCCTTATGTA
TTTATTTCAGAAATGAGCCGTCAGACTGCTACAGCATTACCTACCGGTACCTCGAAGTGT
CCACCATTCCCAGAGGTGCCTGCCCTGACTGGCACAACTGCATCCAACANTGACTTGGCG
AGTCTTTTTGAGTGTCCAGTCTGCTTTGACTATGTNGTACCGNCCATTCTTCATGTCAGA
GTGCCATCTTGTTTGTAGCAACTGTCGCCCAAGCTCACATGTNGTCCAACTGCCNGGGCC
NNTTTGGATCCANCGCACTTTGCTTNGAGAAAGTGCTN

3' Read Nucleotide Sequence:

>OriGene 3' read for AK094663 unedited
CTATGTACTCGGCCGCAATCGAGAGTCGAGTTTTTTCTTTTTTTTTTTTTTAATTTGCATT
TTTTTTTTTTAATGTATAATTATGAAAGACCAAAAACATTTTTTGCAAACTGCCTTTTTA
AACAAATGATTTGCTTTTAATTACAAATACTGTGCATGACGATGCCTTCTTCTGCAAAAC
CAATAAATACAAGAACAAATTTTAAAATATGTGATTTGTCCAAGATATCTGAAAAATGAA
ACAAAAGCCTGATTTGCAGTATTTATAAAAATCAATTTATTCTCTAACCTTTCAAAGATT
AAGCTCAAAGGTGTGACTCATCTGTAGAAGACAGAAAAGAGAGCACCTTATAGATGCTTT
AAATAGCTTTTGATTATTTTTCCGATGTCACCTTTACTTTCTGGAACTCATGGCTTCACA
AAATAGCTGATTTTAAAATATTTCTAATGAACTGATTAATGGGGGAAAAGAAAATATTGA
ACACGTTATAAATTTTTTACCATAAACAAATATGCATATCAAAAGATACTAACTTTAAAA
TGGTACAAAAAAAGGAAAAACCTGAATTACAGAAAAGTCGAATTTATTTAATGAAAAACT
AAAATTAATAAAAATTAGCCNATTCTCACAAAAGAAGCACACAGCAGCACTATGTATTGA
CTCACAAAGGGAAAAGCAGTGGCCCATGACCACTTCAGATGGCTTGTCNGTTTAAGGAGA
AAAACCCTAACACGCACACTCCCTCGCAGGCTCACACTCCCACGCAAAAACAAACTTTTC
AAAATACATCAATCTCCACAAAACAAACTCAGATTATTTACAAGCTTCTTTCTAAACAAA
GAGCCATCTGGGTGAAAACAATATTTTCAGGGTTACTGGGCTTATTTAAATATAAGTACT
CTGCACGTTCCGGTTAAACCTTTTTTA

Restriction Sites: NotI-NotI

ACCN: AK094663

Insert Size: 2500 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:	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:	AK094663.1, BAG52904.1
RefSeq Size:	2829 bp
RefSeq ORF:	2829 bp
Locus ID:	6477
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]