

Product datasheet for SC115012

SIAH Interacting Protein (CACYPB) (NM_014412) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIAH Interacting Protein (CACYPB) (NM_014412) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIAH Interacting Protein
Synonyms:	GIG5; PNAS-107; S100A6BP; SIP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115012 sequence for NM_014412 edited (data generated by NextGen Sequencing)

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ATGGCTTCAGAAGAGCTACAGAAAGATCTAGAAGAGGTAAGGTGTTGCTGGAAAAGGCT
ACTAGGAAAAGAGTACGTGATGCCCTTACAGCTGAAAAATCCAAGATTGAGACAGAAATC
AAGAACAAGATGCAACAGAAATCACAGAAGAAAGCAGAACTTCTTGATAATGAAAAACCA
GCTGCTGTGGTTGCTCCATTACAACGGGCTATACGGTAAAAATCAGTAATTATGGATGG
GATCAGTCAGATAAGTTTGTGAAAATCTACATTACCTTAACTGGAGTTCATCAAGTTCCC
ACTGAGAATGTGCAGGTGCATTTACAGAGAGGTCATTTGATCTTTTGGTAAAGAATCTA
AATGGGAAGAGTTACTCCATGATTGTGAACAATCTCTTGAACCCATCTCTGTGGAAGGC
AGTTCAAAAAAGTCAAGACTGATACAGTTCTTATATTGTGTAGAAAGAAAGTGGAAAAC
ACAAGGTGGGATTACCTGACCCAGTTGAAAAGGAGTGCAAAGAAAAAGAGAAGCCCTCC
TATGACTGAAACAGATCCTAGTGAGGGATTGATGAATGTTCTAAAGAAAATTTATGAA
GATGGAGACGATGATATGAAGCGAACCATTAATAAAGCCTGGGTGGAATCAAGAGAGAAG
CAAGCCAAAGGAGACACGGAATTTTGA

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Clone variation with respect to NM_014412.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014412 unedited
 NGGGGGTGCATATTAGGTATACGACTCACTATAGGCGGCCGCGATTTCGGCAGGAGATC
 TTGCGCAGGGTCGGTGTGGGCGCAGGCTGCAGCGCCGCGACTCGTGCGGGTAGGCGTCTG
 CGCTCGGTTTGAGGGCTCGGCGCGGGGTTTCTGTTCTTCTTCTGCGCGGCTGCAGCTC
 GGGACTTCGGCCTGACCCAGCCCCATGGCTTCAGAAGAGCTACAGAAAGATCTAGAAGA
 GGTAAGGTGTTGCTGGAAAAGGCTACTAGGAAAAGAGTACGTGATGCCCTTACAGCTGA
 AAAATCCAAGATTGAGACAGAAATCAAGAACAAGATGCAACAGAAATCACAGAAGAAAGC
 AGAACTTCTTGATAATGAAAAACCACTGCTGTGGTTGCTCCCATTAACAACGGGCTATAC
 GGTGAAAATCAGTAATTATGGATGGGATCAGTCAGATAAGTTTGTGAAAATCTACATTAC
 CTTAACTGGAGTTCATCAAGTTCCTCACTGAGAATGTGCAGGTGCATTTACAGAGAGGTC
 ATTTGATCTTTGGTAAAGAATCTAAATGGGAAGAGTTACTCCATGATTGTGAACAATCT
 CTTGAAACCCATCTCTGTGGAAGGCAGTCAAAAAAGTCAAGACTGATACAGTTCTTAT
 ATTGTGTAGACAGAAAGTGGAAAACACAAGGTGGGATTACCTGACCCAGGTTGAAAAGGA
 GTGCAAAAGAAAAGGAAGCCCTCTATGACACTGAAACAGATCCTAGTGAAGGATTGATG
 AATGTTCTAAAGAAAATTATGAAGATGGAGACGATGATATGAAGCGAACCATTAATTAAG
 CCTGGGTGGGATCAAGAGAGAAGCAAGCCAAGTAAACCGGAATTTTGAGACTCTAAGTC
 GCTTTGGGACTGGGAGGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014412 unedited
 CGCACCACCCCCCAACACAACACTCTGCCACCCATTTTTACTCTGACCCGCGGCC
 GCTTTCTANAANCGGACCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTATAGCGG
 CTTTTAATTGGGCAAGAACTTTGCTTTTTCATATTTCCACGGTGAAAATGCAATATAAC
 CCTTCCTTGAACAAAATGACCAGGTAATAAAAACCTTTTTGCAGGAGTGTTAATA
 AGCATATTTTATTAATAAATCCTCCAGTAGGAAATGGAGAATTCATTGCCTTTACTTA
 AAAGGCTATGTAATAGCTATCTGTCAAATTTATATATGCAGCTACCAATATTCCTTA
 CTGAAACATCAGTATTTCCACATCACATCACAGTTCACAAAACGACTTTAAAGTCTCAA
 AATTCGGGTCTCCTTTGGCTTGCTTTTCTTTGATTCCACCCAGGCTTTATTAATGGTT
 CGCTTAATATTATCGCCTCCATCTTCATAAATTTCTTTAGAATTCATCAATCCCTTA
 CTAGGATCTGTTTCAGTGCATAGGAGGGCTTTTTTTTTTTTTTGCACCTCTTTCAACC
 TGGGTCAGGCAATCCCACCCTTGCGTTCTCCACTTTTCTTACCCAATATAAAAAACT
 GATAACGCCTTGACTTCTTTTGAACACTGCCTTCCACCGAAATGGGTTTCAAACACATTGG
 TCACAATCATGGACGAACCTCTTCCATTCAAATTTCTTACCCCAAGAAAAAAGACCCT
 CCTGTGAAAAGCACCTGGCCACTTTCCCGGGGCACTGGTTTCACCTCCCCCTAAGGGCA
 TGGAAAACCTTTCAAAACCTTATTTGGCTGGACCCCCCCCATAAAACGGGATTCTCACCC
 AAACACCCCGGTTATGGGGGCCCCCCCCCCACTGGCGTTTTTATTTCCAAAAGCTTT
 T

Restriction Sites:

NotI-NotI

ACCN:

NM_014412

Insert Size:

1240 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: [NM_014412.2](#), [NP_055227.1](#)

RefSeq Size: 3060 bp

RefSeq ORF: 687 bp

Locus ID: 27101

UniProt ID: [Q9HB71](#)

Cytogenetics: 1q25.1

Domains: SGS

Protein Pathways: Wnt signaling pathway

Gene Summary: The protein encoded by this gene is a calcyclin binding protein. It may be involved in calcium-dependent ubiquitination and subsequent proteosomal degradation of target proteins. It probably serves as a molecular bridge in ubiquitin E3 complexes and participates in the ubiquitin-mediated degradation of beta-catenin. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) encodes the longer isoform (1).