

## Product datasheet for **RG209815**

### SIAH Interacting Protein (CACYPB) (NM\_001007214) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SIAH Interacting Protein (CACYPB) (NM_001007214) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SIAH Interacting Protein
Synonyms:	GIG5; PNAS-107; S100A6BP; SIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209815 representing NM_001007214 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTTCAGAAGAGCTACAGAAAGATCTAGAAGAGGTAAGGTGTTGCTGGAAAAGGCTACTAGGAAAA  
GAGTACGTGATGCCCTTACAGCTGAAAAATCCAAGATTGAGACAGAAATCAAGAACAAGATGCAACAGAA  
ATCACAGAAGAAAGCAGAACTTCTTGATAATGAAAAACCAGCTGCTGTGGTTGCTCCATTACAACGGGC  
TATACGGTGAAAAATCAGTAATTATGGATGGGATCAGTCAGATAAGTTTGTAAAAATCTACATTACCTTAA  
CTGGAGTTCATCAAGTTCCCACTGAGAATGTGCAGGTGCATTTACAGAGAGGTCATTTGATCTTTTGGT  
AAAGAATCTAAATGGGAAGAGTTACTCCATGATTGTGAACAATCTCTTGAAACCCATCTCTGTGGAAGGC  
AGTTCAAAAAAGTCAAGACTGATACAGTCTTATATTGTGTAGAAAGAAAGTGGAAAACACAAGGTGGG  
ATTACCTGACCCAGGTTGAAAAGGAGTGCAAAAGAAAAAGAGAAGCCCTCCTATGACACTGAAACAGATCC  
TAGTGAGGGATTGATGAATGTTCTAAAGAAAATTTATGAAGATGGAGACGATGATGAAGCAAACCATT  
AATAAAGCCTGGGTGGAATCAAGAGAGAAGCAAGCCAAGGAGACACGGAATTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG209815 representing NM\_001007214  
 Red=Cloning site Green=Tags(s)

MASEELQKDL EEVKV LLEKAT RKRVR DALTA EKSKI ETEIKN KMQQKSQKKA ELLDNEK PAAV VAPIT TG  
 YTVKISNYGWDQSDK FVKIYITL TGVHQVPTENVQVHF TERSFDLLVKNLNGKSYSMIVNNLLKPI SVEG  
 SSKKVKTDTVLILCRKKVENTRWDYLTQVEKEKEKEKPSYDTE TDPSEGLMNVLKKIYEDGDDDMKQTI  
 NKAWVESREKQAKGDTEF

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001007214

**ORF Size:** 684 bp

**OTI Disclaimer:** 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:**

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\\_001007214.1](#), [NP\\_001007215.1](#)

**RefSeq Size:** 2875 bp

**RefSeq ORF:** 558 bp

**Locus ID:** 27101

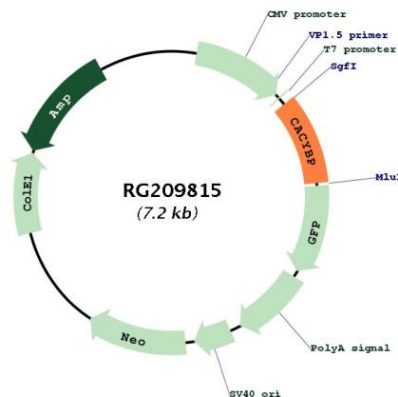
**UniProt ID:** [Q9HB71](#)

**Cytogenetics:** 1q25.1

**Protein Pathways:** Wnt signaling pathway

**Gene Summary:** The protein encoded by this gene is a calyculin 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]

## Product images:



Circular map for RG209815