

Product datasheet for **RG205527**

SHCBP1 (NM_024745) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SHCBP1 (NM_024745) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SHCBP1
Synonyms:	PAL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RG205527 representing NM_024745
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGACGGGTCGCTGACGGGCGCGGTCTGGAGGCAGCGCCATGGCGCCGGAGCGCACGGGCTGGG
CGGTGGAGCAGGAGCTGGCGTCTCTGGAGAAAGGTTTGTTCGAAGATGAAGATTCATGCAGTGATTGTAG
CTACCGTGATAAACACAGTTCTAGTTTACAAAGTTTTATGCCAGAAGGAAAAACCTTTTTCCAGAAATT
TTCCAAACAAATCAACTTTTGTCTATGAGCGATTGAGAGCCTATCAAGATTACATTTTAGCTGACTGCA
AGGCTCTGAGGTACAGGAATTCACAGCTGAGTCTTGGAGAAGGTCCTTGGCCATCTGGATGGCGGGC
AGTCTGGCACACTAATGTGTTCAAGGTGCTGGTTGAGATCACAGATGTGGACTTTGCAGCCTTGAAGGCA
GTGGTGAGGCTTGTGAACCATACCTCTGTGACTCTCAAGTGAGCACTTTTACCATGGAGTGCATGAAGG
AGCTCCTTGATCTGAAGGAGCATCGGTTGCCCTGCAGGAGCTGTGGTGGTGTGGTATGATTGAGGAGT
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TTCTTGAAGACCGAGTTCATCAGGACTTATTGTTGACTACCACAATCTGTTGTCTCAATGTGAGGAGAG
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TCCATGGTGAAGGGTAAAATTGTATTCGGAGATGGAACAGTTGAAACAAAAGCTGAAACTCATTGAGA
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CGGTGAGAAGTCACTCATGTGGTCTCCTCCACCATGATGGTGGTCTCCTGCGGTCCTGCTTACGGAC
AGGCTTTGCCAGGAGCCTGGTGAGGAAGAAAGAGAAATTCAGTTCATAGTATGATCCATTGTCTGCTATAA
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CGGAGTCACAGTGCAGCATCAGCAGAGTTTCTAATGAAGAACTCGGATTTATATGGCGCAAGGGTGT
GGTATAGAAATCTACCCTGGGAGTCACTGACCCTGAGTGACAATGGGATCCATCACTGCAAGGAAGGGA
TCCTCATTAAGGACTTCTTAGATGAACATTATGACATCCCAAGATATCCATGGTGAATAATATAATACA
TAATAATGAAGGTTATGGTGTGCTTGGTGAACCTACAATCTCTCTGACCTGCAAGAAAGTGTGAA
GATGGAAGTGAAGAAAATAAGCGCTTAAAATTCAGACAAGTGGAGAGCCAGATGTGGCTGAAAGAGTGG
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AAAAGGTTGAGTGAAGTGGGATCACGCAAGCTGATGACAACCTAATGTACAGGAGATGTTTGTGGGA
TTGTGGGGAACCGATTCAAGTGAATGGAAAGGTAGTTTTGGCACATTTCTTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205527 representing NM_024745
Red=Cloning site Green=Tags(s)

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MADGSLTGGGLEAAAMAPERTGWAVEQELASLEKGLFQDESDSCDCSYRDKPGSSSLQSFMPGKTFPPEI
FQTNQLLFYERFRAYQDYILADCKASEVQEFTAEFLEKVLPEPSGWRVWHTNVFKVLVEITDVF AALKA
VVRLAEPYLCDSQVSTFTMECKELLDLKEHRLPLQELWVVFDDSGVFDQTALAIHVRFYQNIWRSD
EEEEDEYDYFVRCVEPRLRLHYDILEDVPSGLIVDYHNLLSQCEESYRKFLNLRSSL SNCNSDSEQENI
SMVEGLKLYSEMEQLKQKLLIENPLLRVYVFGYQKNSNIQAKGVRSSGQKITHVVSSTMMAGLLRLLTD
RLCQEPGEEEREIQFHSDPLSAINACFEGDTVI VCPGHYVVHGTFSIADSIIELEGYGLPDDIVIEKRGKG
DTFVDCTGADIKISGKIFVQHDAVEGILIVHRGKTTLENCVLQCETTGVTVRTSAEFLMKNSDLYGAKGA
GIEIYPGSQCTLSDNGIHHCKEGILIKDFLDEHYDIPKISMVNNI IHNNEGYGVVLVKPTIFSDLQESAE
DGTEENKALKIQTSGEVDVAERVDLEELIECATGKMELCARTDPSEQVEGNCEIVNELIAASTQKGQIKK
KRLSELGITQADDNLMSQEMFVIGVGNQFKWNGKGSFGTFLF
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024745

ORF Size: 2016 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_024745.3](#)

RefSeq Size: 3224 bp

RefSeq ORF: 2019 bp

Locus ID: 79801

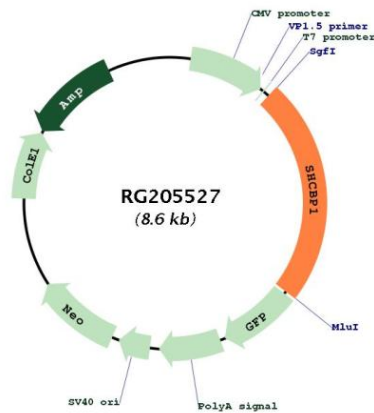
UniProt ID: [Q8NEM2](#)

Cytogenetics: 16q11.2

Domains: PbH1

Gene Summary: May play a role in signaling pathways governing cellular proliferation, cell growth and differentiation. May be a component of a novel signaling pathway downstream of Shc. Acts as a positive regulator of FGF signaling in neural progenitor cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205527