

Product datasheet for **RG206072**

SCCPDH (NM_016002) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCCPDH (NM_016002) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SCCPDH
Synonyms:	CGI-49; NET11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206072 representing NM_016002 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACCGAGCAGAGGCCTTTCCACCTGGTGGTGTTCGGCGCGTCTGGCTTACCAGGCCAGTTCGTGA
CCGAGGAGGTGGCCCGGAGCAGGTGGACCCGGAGCGGAGCTCCCGCTGCCCTGGGCCGTGGCGGCCG
CTCCCGGAGAAGCTGCAGCGGGTGTGGAGAAGGCGGCCCTGAAGCTGGGAAGACCAACTGTGCATCT
GAAGTTGGAATCATCATCTGTGATATTGCTAATCCAGCCTCGCTTGATGAAATGGCTAAACAGGCAACAG
TTGTCCTCAATTGCGTAGGACCATATCGGTTTTATGGAGAACCTGTAATAAAAGCATGTATTGAAAATGG
AGCCAGTTGTATCGACATCAGTGGAGAACCTCAGTTTCTGGAACCTAATGCAACTGAAGTATCATGAGAAA
GCTGCAGACAAAGGGTTTATATCATTGGAAGCAGCGGCTTTGACTCCATTCCAGCAGATCTGGGAGTAA
TATATACCAGAAAATAAATGAATGGTACTTTGACTGCTGTGAAAAGTTTCTGACTATACATTCCAGGACA
TGAGGGGTTGAGCATTATGATGGTACCTGGAAGTCAGCAATTTATGGTTTTGGAGATCAGAGTAATTTG
AGAAAATAAGAAATGTATCAAACTGAAACCTGTCCCGCTCATTGGTCCAAAATGAAGAGAAGGTGGC
CAATTTCTATTGTCGGGAACCTCAAAGTTATCCATTCCTTTTATGGGATCTGATGTGCTGTTGTAAG
GAGGACTCAACGTTACTTGTATGAAAATTTAGAGGAATCACCAGTTCAGTATGCTGCGTATGTAAGTGTG
GGAGGCATCACCTCTGTTATTAAGCTGATGTTTGCAGGACTTTTCTTTTGTGAGGTTTGGAA
TTGGAAGGCAACTTCTATAAAATTCATGTTCTTCTCTTTGCTATTTTTCAAACAAGGCCCAAC
ACAAAAACAGATTGATGCTGCCTCATTACGCTGACATTCCTTGGTCAAGGATACAGCCGAGGCACTGGT
ACAGATAAGAACAACAAATATCAAAATTTGACTCAGGTGAAAGGACCAGAGGCTGGCTATGTGGCTA
CCCCATAGCTATGGTTCAGGCAGCCATGACTCTTCTAAGTATGCTTCTCATCTGCCTAAGCGGGCGG
GGTCTTACACCTGGAGCAGCTTTTCCAAAACAAGTTGATTGACAGACTCAACAAACACGGTATTGAG
TTTAGTGTATTAGCAGCTCTGAAGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206072 representing NM_016002
 Red=Cloning site Green=Tags(s)

MATEQRPFHLVVFASGFTGQFVTEEVAREQVDPERSRLPWAVAGRSREKLQRVLEKAALKLGRPTLSS
 EVGIIICDIANPASLDEMAKQATVVLNCVGPYRFYGEPIKACIENGASCIDI SGEPQFLELMQLKYHEK
 AADKGVYIIGSSGFDSIPADLGVYTRNKMNGTLTAVESFLTIIHSGHEGLSIHDGTWKSAIYGFQDQSNL
 RKLNRVSNLKPVPLIGPKLRRWPISYCRELKGYSIPFMGSDVSVRRTRQRYLYENLEESPVQYAAVYTV
 GGITSVIKLMFAGLFFLFFVRFGIQRQLLIKFPWFFSFGYFSKQGPQKQIDAASFLLTFFGQGYSRGTG
 TDKNKPNIKICTQVKGPEAGYVATPIAMVQAAMTLLSDASHLPKAGGVFPGAASFSTKTLIDRLNKHGIE
 FSVISSSEV

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016002

ORF Size: 1287 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_016002.2](#), [NP_057086.2](#)

RefSeq Size: 2482 bp

RefSeq ORF: 1290 bp

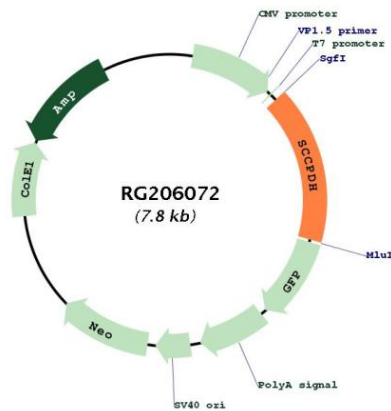
Locus ID: 51097

UniProt ID: [Q8NBX0](#)

Cytogenetics: 1q44

Protein Families: Transmembrane

Product images:



Circular map for RG206072