

Product datasheet for **MG206837**

Sccpdh (NM_178653) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sccpdh (NM_178653) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sccpdh
Synonyms:	AW214504; C330023F11Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206837 representing NM_178653 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACGGAGCAGAGGCCCTTCCACCTGGTGGTGTTCCGGCGCCTCTGGCTTACCAGGCCAGTTCGTGA
CGGAGGAGGTGGCCGGGAGCAGATAGCCTCGGAGCAGAGCTCCCGCCTGCCCTGGGCCGTGGCGGGTCCG
CTCCAAGGAGAAGCTGCAGCAAGTGTGGAGAAGGCTGCCAGAACTGGGAAGACCATCACTATCATCT
GAAGTTGGAGTCATAATCTGTGATATCAGTAATCCAGCCTCACTTGATGAAATGGCTAAACAGGCAAAAGC
TTGTCCTCAACTGCGTAGGACCGTATCGATTTTATGGAGAACCTGTAGTAAAAGCATGTATTGAAAATGG
AACAAAGTTGTATTGACATCTGTGGGAACTCAGTTTCTGGAACCTAATGCATGCGAAGTATCATGAGAAA
GCTGCAGAGAAGGGGTTTATATCATTGGAAGCAGTGGCTTTGACTCCATCCCAGCAGATCTAGGAGTGC
TATACACCAGGAACCAGATGAACGGTACTTTGACTGCTGTAGAAAAGCTTCTGACAATAAATACAGGACC
TGAGGGGTTGTATTTCATGATGGAACCTGGAAGTCGGAATTTATGGTTTTGGCGATAAGGGTAGTTTA
AGAAAACACGGAGTGTATCATGTCTGAAACCTGTCCCAATTGTTGGTACAAAAGTTGAAAAGAAGGTGGC
CAGTCAGCTATTGTAGAGAGCTGAACTCGTATTCATTCTTTTTGGGATCTGATATATCTGTTGTGAA
AAGGACTCAGCGTTACTTACATGAAAATTTAGAGGACTCACCAGTTCAGTATGCTGCTTATGTGACGGTG
GGAGGCATCACCTCTGTGATTAAGCTGATGTTTGCAGGACTGTTCTTTTTATTCTTGTGAAGTTTAGCA
TTGGAAGACAACCTCTCATAAAAATTCATGCTCTTTTCTTTGGCTATTTTTCAAACAAGGTCCAAC
ACAAAAACAGATGGATGAGACATCATTTACAATGACATTCTTTGGTCAAGGATACAGCCATGGCACTTGT
GTTGAAAAGAACAACCAAAATATCCGAATCTGCACTCAAGTGAAGGGACCAGAGGCTGGCTACGTGGCTA
CTCCCATAGCCATGGTTCAGGCTGCCATGACTTTTCTGAGTGACGCTCTGACCTTCCAAAAGGGGGCGG
TGTCTTTACACCTGGAGCAGCTTTCTCCAGAACAAGTTGATTGACAGACTCAACAACATGGCATTGAA
TTTAGTGCATTAGCAGCTCCGAAGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206837 representing NM_178653
 Red=Cloning site Green=Tags(s)

MATEQRPFHLLVFGASGFTGQFVTEEVAREQIASEQSSRLPWAVAGRSKEKLQQVLEKAAQKLGRPSLSS
 EVGVIIICDISNPASLDEMAKQAKLVNLCVGPYRFYGEPPVKACIENGTSCIDICGEPQFLELMHAKYHEK
 AAKEGVYIIGSSGFDSIPADLGLVYTRNQMGTLTAVESFLTINTGPEGLCIHDGTWKSAIYGFQDKGSL
 RKLRSVSCLKVPVIVGTLKRRWPVSYCRELNSYSIPFLGSDISVVKRTQRYLHENLEDSPVQYAAAYTV
 GGITSVIKLMFAGLFFLFFVKFSIGRQLLIKFPWLF SFGYF SKQGPTQKQMDETSFTMTFFGQGYSHGTC
 VEKNKPNIRICTQVKGPEAGYVATPIAMVQAAMTFLSDASDLPKGGGVFPGAASFRTKLIDRLNKHGIE
 FSVISSSEV

TRTRPLE - GFP Tag - V

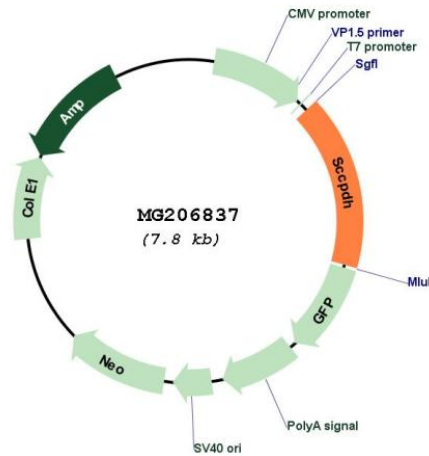
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_178653

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:	<ol style="list-style-type: none">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_178653.3 , NP_848768.1
RefSeq Size:	1923 bp
RefSeq ORF:	1290 bp
Locus ID:	109232
UniProt ID:	Q8R127
Cytogenetics:	1 H4