

Product datasheet for **MC218235**

Scg2 (BC048249) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scg2 (BC048249) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Scg2
Synonyms:	Chgc; Sgll
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC048249
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGGAGCTAAGGCGTACCGACTTGGAGCAGTTCTGCTTCTTATCCACTTAATTTTCTCATCTCTG
GAGCCGAAGCAGCTTCTTCCAGCGAAACCAGCTGCTTCCAGAAAGAACCCAGACCTCAGATTGGAGAAATGT
CCAAAAGTTTCTAGTCCAGAAATGATCAGGGCTTTGGAGTACATAGAAAAGCTCAGGCAGCAAGCTCAC
AGAGAAGAAAGCAGCCAGACTACAATCCCTACCAAGGCGTCTCTGTTCCCTCTTCAACTCAAAGAAAACG
GAGAAGAAAGCCACTTGGCAGAGAGCTCAAGGGATGCACTGAGTGAAGACGAGTGGATGCGGATAATACT
CGAGGCTCTGAGGAGGCTGAAAATGAGCCGCCATCTGCCCCAAAGAGAAACAAGCCCTATGCCTTGAAT
CTGGAGAAGAACTTCCAGTGGACACGCCTGATGACTATGAGACTCAACAGTGGCCTGAGAGGAACTCA
AGCACATGCGGTTCCCTCTCATGTATGAAGAGAATTCAGAGAAAACCCCTTCAAACGCACAATGAAAT
AGTCGAGGAACAATACACACCCCAAAGTCTTGCTACCCTGGAGTCTGTGTTCCAAGAGCTTGGGAACTG
ACAGGGCCAAGCAACCAGAAGCGTGAGAGGGTTGACGAGGAACAAAAGCTGTACACAGATGATGAAGACG
ACGTGTACAAGACCAACAACATTGCCTATGAAGATGTCGTGGGGGGAGAAGACTGGAGCCCCATAGAGGA
GAAAATAGAGACTCAAACCCAGGAAGAGGTGAGAGACAGCAAAGAGAACAAGAAAAAATGAACAAATC
AATGAAGAGATGAAACGTTCAAGGCAGTTGGGGCTCCCAGATGAAGAAAACCGGAGAGAGAGTAAAGACC
AACTCTCAGAGGATGCCTCCAAAGTTATCACCTACCTGAGAAGGAATTTGCAGATACCCCTGAAGATTT
AATTGAGATGCTCAAAGCTGGAGAGAAGCCAAATGGGTTGGTGGAGCCAGAGCAGGATCTGGAGCTTGCT
GTTGACCTAGATGACATCCAGAGGCTGACCTAGACCGTCCAGACATGTTTCAAAGTAAGATGCTCTCCA
AGGTGGGTATCCCAAGGCACCTGGTCTGGTATGGTAGAGGCCCTTGCTGATGGGCTGAGTGTGAGGA
CATTTTAAATGTTTTAGGGATGGAGAATGTAGTAAATCAGAAGTCCCATATTTTCCAACCAATATAGC
CAAGACAAGGCTCTGATGAGGCTCCCTTATGGTCTGGGAAATCTAGAGCCAACCAAGATTCCCAAAGTAG
CCTGGATCCCTGATGTTGAAAGCAGACAAGCACCTTATGAAAATCTGAATGACCAAGAATTGGGAGAGTA
CTTAGCCAGGATGCTAGTTAAGTACCCTGAGCTCCTGAATACCAACCAGCTGAAGAGAGTGGCCAGTCCA
GTCTCCTCAGAGGATGACCTCCAAGAAGAAGAGCAGCTCGAGCAGGCCATCAAGGAACATCTGGGCCAG
GAAGCTCCAGGAAATGGAGAGACTGGCAAGGTGAGCAAAGGATCCCCGTAGGATCCCTGAAGAATGA
GGACACCCCAAACAGACAGTACCTGGATGAAGATATGCTCCTGAAAGTGTGGAGTACCTCAACCAAGAG
CAGGCAGAGCAGGGGAGGAGCATCTTGCCAAGCGGGCCATGAAAACATGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC048249

Insert Size: 1734 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: [BC048249](#), [AAH48249](#)

RefSeq Size: 2211 bp

RefSeq ORF: 1733 bp

Locus ID: 20254

Cytogenetics: 1 40.89 cM

Gene Summary: Neuroendocrine protein of the granin family that regulates the biogenesis of secretory granules.[UniProtKB/Swiss-Prot Function]