

Product datasheet for MR200869

Sct (BC048484) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Sct (BC048484) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Sct
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR200869 representing BC048484
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGAGCCTCCGCTGCCACGCCGATGCTACTGCTGTTGCTGCTGCTCTCCAGTTCGCCCGCTCC
 CTGCACCTCCCAGGACCCCAAGACACTCAGACGGAATGTTACCAGCGAGCTCAGCCGTTGCAGGACAG
 TGCCAGGCTGCAGCGCTGCTGCAGGGTCTGGTGGGAAGCGCAGCGAGCAGGACACAGAAAATATCCCA
 GAGAACAGCCTGGCCCGTCCAAGCCCTTAGAGGACCAGCTCTGCTTGCTGTGGTGAACACTCAGACCC
 TACAGGACTGTCCCTCTCCTTCCACAGGCTTCTGCCAGGCTGTCCCTGGATGGTCCCTGTCTCTCTG
 GCTGCCTCTGGACCAAGGTCTGCTGTTGATCGTTCAGAGTGGACTGAAACAACCAGGCCACCCAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200869 representing BC048484
 Red=Cloning site Green=Tags(s)

MEPPLPTMLLLLLLLLSSSAALPAPPRTPRHSDGMFTSELSRLQDSARLQRLQLVGRSEQDTENIP
 ENSLARSKPLEDQLCLLWSNTQLQDCPLSFHRLLPRLSLDGSLSLWLPGPSAIVDRSEWTETTRPPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

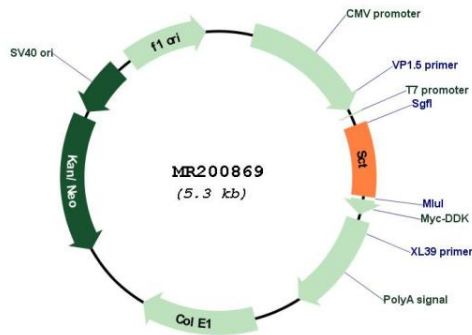


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Locus ID: 20287
 Cytogenetics: 7 F5
 MW: 20.7 kDa

Gene Summary: This gene encodes the precursor of a gastrointestinal peptide hormone of the secretin-glucagon family. The encoded protein is secreted as a prohormone that undergoes proteolytic processing to generate a mature peptide hormone. The mature peptide regulates secretion of gastric acid, bicarbonate ions from pancreatic and biliary duct epithelia and water homeostasis in the gastrointestinal system. Mice lacking the encoded protein display decreased survival of neuroprogenitor cells during early postnatal period and impaired long-term potentiation and spatial learning in adulthood. Alternative splicing results in multiple transcript variants encoding different isoforms. All of these isoforms may be processed in a similar manner to generate the mature peptide hormone. [provided by RefSeq, Jul 2015]

Product images:



Circular map for MR200869