

Product datasheet for **MR208708**

Scp2 (NM_011327) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scp2 (NM_011327) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scp2
Synonyms:	AA409774; AA409893; C76618; C79031; ns-LTP; NSL-TP; SCP-2; SCP-X; SCPX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208708 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCTTCTGTCGCTTTGAAATCTCCGCGCTGCGCCGGTGTTCGTGGTCGGCGTTGGCATGACCAAGT
 TCATGAAGCCTGGAGGTGAGAACTCAAGAGACTATCCTGATATGGCAAAGGAAGCAGGCCAGAAGGCATT
 GGAAGATGCACAGATCCCTTACTCCGCAGTGGAACAGGCATGCGTTGGCTATGTGTATGGTGATTCCACC
 AGTGGGCAGAGGGCTATCTATCAGTTTGGGACTGACTGGCATTCTATAATTAATGTCAACAATAACT
 GTTCTACTGGTTCGACTGCTTTGTTATGGCCATCAACTGATCAAGGAGGCTTGGCAAATGTGTGTT
 GGCTCTTGGGTTTGAGAAGATGGAGAGGGGATCCATTGGAACAAAATTCTCAGATCGACCCTCCAAC
 GATAAACATATTGAAGTCTTGATCGATAAGTATGGATTGTCTGCACATCCGATTACTCTCAGATGTTTG
 GGTATGCTGGGAAAGAACATATGAAAAATATGGAACAAAAGTTGAACACTTTGAAAAATGGATGGAA
 AAATCATAAACTCAGTTAATAACACGTATCCAGTCCAAGATGAATACAGCTTAGAAGAAGTAATG
 AAATCAAAACCAGTTTTCTGATTTCTGACTATCTTGAATGCTGCCCCACCTCAGATGGTCCCGCTGCCG
 CGATTCTGTCCAGCGAGGAGTTTGTGCAGCAGTACGGCCTGCAGTCCAAAGCGGTGGAGATTGTGGCCCA
 GGAGATGATGACTGACTTACCCAGTACGTTTGAAGAGAAAAGTATTATTAAGTGGTTGGCTATGATATG
 AGTAAAGAAGCTGCCAGGAGATGCTATGAGAAGTCCGGCCTGACACCCAACGATGTGCAGCTGATAGAGC
 TTCAGATTGCTTCTCTGTCAATGAACATCACTTACGAAGCACTGGGGCTCTGTCCAGAAGGACAAGG
 TGAACCTGGTGGACAGAGGGGACAACACTTACGGAGGAAAGTGGGTCAACCCCTAGTGAGGCCTC
 ATCTCAAAGGGACACCCACTGGGCGCAACAGTCTGGCTCAGTGCAGCAGCTCTGCTGGCAGCTGAGAG
 CGGAACCCGAAAGAGGCAGGTTCCCGGGCAAGGTGGCTCTGCAGCACAATCTAGGCCTCGGAGGAGC
 TGTGGTTGTCAACCTCTACAGGATGGGTTTTCCCGAAGCTGCCAGCTCCTTCAGGACGCACAGGTTTCA
 GCTGCTCCACCACTCTGCAGGGGATGGATTCAAGGCAAACTCGTCTTTAAGGAGATTGAGAAGAAGC
 TTGAAGAGGAAGGGGAACAGTTCGTGAAGAAAATCGGTGGCATTGTTGCCTTCAAAGTGAAGATGGCC
 TGGAGGCAAGAAGCTACCTGGGTGGTGGATGTGAAGAATGGCAAAGGATCTGTGCTTCCAATTGAGAT
 AAGAAGGCTGACTGCACAATCCCATGGCCGACTCAGACTTGTGGCTTGTGACTGGAAAAATGAACC
 CTCAGTCGGCCTTCTTCAAGGGAACTGAAGATTGCTGGTAACATGGGACTGGCCATGAACTACAGAA
 CCTTCAGCTTCAGCCGGGCAAGCTAAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208708 protein sequence
 Red=Cloning site Green=Tags(s)

MPSVALKSPRLRRVAVVGVGMKFKMPGGENSRDYPDMAKEAGQKALEDAQIPYSAVEQACVGVYVYGDST
 SGQRAIYHSLGLTGPIINVNNNCSTGSTALLFMAHQLIQGGLANCVLALGFEMERGSIGTKFSDRTTPT
 DKHIEVLIDKYGLSAHPITPQMFYAGKEHMEKYGKVEHFAKIGWKNHKHSVNNTYSQFQDEYSLEEVM
 KSKPVDFLITLQCCPTSDGAAAAILSSEEFVQYGLQSKAVEIVAQEMMTDLPSTFEEKSIIKVVGYDM
 SKEAARRCYEKSLTPNDVDVIELHDCFSVNELITYEALGLCPEGQGGTLVDRGDNTYGGKWVINPSGGL
 ISKGHPLGATGLAQCAELCWQLRGEAGKRQVPGAKVALQHNLLGGAVVVTLYRMGFPEAASSFRTHQVS
 AAPTSSAGDGFKANLVFKEIEKKLEEEGEQFVKKIGGIFAFKVKDGPGGKEATWVVDVKNKGKSVLPNSD
 KKADCTITMADSDLLALMTGKMNPQSAFFQGLKIAGNMGLAMKLNLLQLPKAKL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_011327

ORF Size: 1644 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_011327.4](#)

RefSeq Size: 2664 bp

RefSeq ORF: 1644 bp

Locus ID: 20280

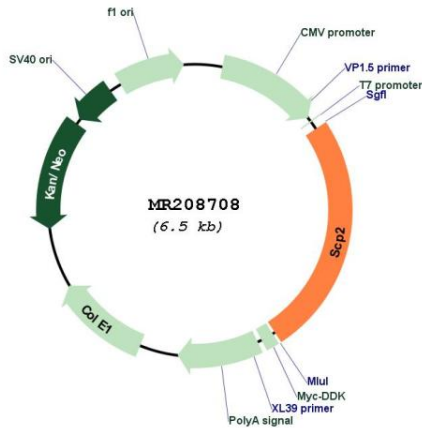
UniProt ID: [P32020](#)

Cytogenetics: 4 50.2 cM

MW: 59.1 kDa

Gene Summary: Mediates in vitro the transfer of all common phospholipids, cholesterol and gangliosides between membranes. May play a role in regulating steroidogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208708