

## Product datasheet for **RR201232**

### Scp2 (NM\_138508) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Scp2 (NM_138508) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scp2
Synonyms:	NSLIPTR; SCPx
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR201232 representing NM\_138508  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCTTCAGTCGCGTTGAACTCTCCGCGCTGCCGCGGTGTTCTGGTTCGGAGTTGGCATGACCAAGT  
 TCATGAAGCCTGGAGGTGAGAATCAAGAGACTATCCTGATTTGGCAAAAAGAAGCAGGCCAGAAGGCATT  
 GGCGGACCGGCAGATCCCTTACTCCGAGTGGAGCAGGCGTTCGTTGGCTATGTGTACGGTGAATCCACC  
 TGCGGGCAGAGGGCCATCTATCACAGCCTGGGGCTGACTGGCATCCCTATCATTAAATGTCAACAATAACT  
 GCTCTACCGGTTCTACTGCTTTGTTTATGGCCAGCAACTGGTTCAGGGAGGTTTAGCAAAATTCGCTGTT  
 AGCTCTTGGGTTTGAGAAGATGGAAAAGGGATCCCTTGGTACCAATATTCAGATCGGTCAAATCCACTG  
 GAAAAACATATTGACGTCTTGATCAATAAGTATGGAATGTCTGCCTGTCCATTTGCTCCTCAGCTGTTTG  
 GGAGCGCTGGGAAAGAACATATGAAACATATGGAACAAAGTTGAACACTTTGCAAAAATTTGGATGGAA  
 AAATCATAAACACTCAGTTAATAACCCGTATCCAGTCCAAGATGAATACAGCTTAGATGAGATAATG  
 AAATCAAGGCCAGTTTTCGATTTCTGACTGTCTTACAATGCTGTCCACCTCAGATGGTCCCGCAGCAG  
 CAATTGTGTCTAGTGAGGAGTTTGTGCAGAAGCATGGCCTGCAGTCCAAAGCTGTGGAAATTTGTGGCACA  
 GGAGATGGTACTGACATGCCACTACATTTGAAGAAAAAGTGTATTAATAATGGTTGGCTATGATATG  
 AGTAAAGAAGCTGCCAGGAAGTCTATGAGAAGTCCGGCTGGTCCCAGTGTGTCGACGTGATAGAGC  
 TTCAGGATTGCTTCTACCAATGAACTCCTGACTTATGAAGCACTGGGGCTCTGTCCAGAAGGACAAGG  
 TGGAGCACTGGTGGACAGAGGGGACAACACTTACGGAGGAAAGTGGGTATAAACCTAGTGGAGGCCTC  
 ATCTCAAAGGGACACCCACTGGGTGCCACAGTCTGGCTCAGTGCAGGAGCTGTGCTGGCAGCTGAGAG  
 CGGAAGCCGAAAGAGGCAGGTTCTGGGGCAAGGTGGCTCTGCAGCACAAATTTAGCCCTTGGAGGATTCA  
 TGCTGTTGTACCCTCTACAGAATGGGTTTTCCGGAAGCTGCCAGCTCCTTCAGAACGCACCAGATTTCA  
 GCTGCTCCACCAGCTCTGCAGGGGATGGATCAAGGCAATCTCATTTTTAAGGAAATCGAGAAGAAGC  
 TTGAAGAGGAAGGGGAAGAGTTCGTGAAGAAAATCGGTGGCATTTTTGCCTTCAAAGTGAAGGATGGCC  
 CGGGGGCAAAGAAGCTACGTGGTGGTGGACGTGAAGAACGGCAAAGGATCGGTGCTTCCGGATTAGAT  
 AAGAAGGCTGACTGCACAATCCCATGGCTGACTCAGACTTGCTGGCTTTGATGACTGGTAAAATGAACC  
 CTCAGTCGGCCTTCTTCAAGGTAAGTAAAATTTGCCGTAACATGGGCCTGGCCATGAAACTGCAAAAG  
 CCTGCAGCTTCAGCCGGACAAGCTAAGCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR201232 representing NM\_138508  
 Red=Cloning site Green=Tags(s)

MPSVALNSPRLPRVFVGVGMKFKMPGGENSRYDPLAKEAGQKALADRQIPYSAVEQACVGYVYGEST  
 CGQRAIYHSLGLTGPIIINVNNCSTGSTALFMAQQLVQGGLANCVLALGFKMEKGSGLTKYSDRSNPL  
 EKHIDVLI NKYGM SACPFAPQLFGSAGKEHMETYGTKVEHFAKIGWKNHKHSVNNPYSQFQDEYSLDEIM  
 KSRPVDFLTVLQCCPTSDGAAAAIVSSEEFVQKHGLQSKAVEI VAQEMVTDMPPTFEKSVIKMVGYDM  
 SKEAARKCYEKSGLGPSVDVIELHDCFSTNELLYEALGLCPEGQGGALVDRGDNTYGGKWVINPSGGL  
 ISKGHPLGATGLAQCAELCWQLRGEAGKRQVPGAKVALQHNLGLGGAAVVTLYRMGFPEAASSFRTHQIS  
 AAPTSSAGDGFKANLIFKEIEKKLEEEGEEFVKKIGGIFAFKVKDGPGGKEATWVVDVKNKGSVLPDSD  
 KKADCTITMADSDLLALMTGKMNPQSAFFQGLKIAGNMGLAMKLQSLQLQPKAKL

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



ACCN: NM\_138508

ORF Size: 1641 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\\_138508.4](#), [NP\\_612517.2](#)

RefSeq Size: 2571 bp

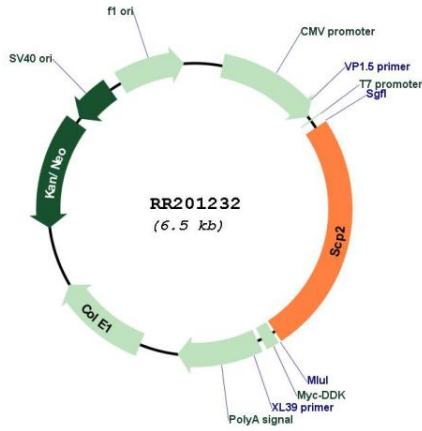
RefSeq ORF: 1644 bp

Locus ID: 25541

UniProt ID: [P11915](#)

Cytogenetics: 5q34  
 MW: 58.8 kDa  
 Gene Summary: may play a role in intracellular transport of cholesterol [RGD, Feb 2006]

**Product images:**



Circular map for RR201232