

Product datasheet for **RR214097**

Scara5 (NM_001135855) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scara5 (NM_001135855) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scara5
Synonyms:	RGD1306539
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR214097 representing NM_001135855
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATGGACAACAAAGCCATGTACTGCATACTGTGAGTGACCGTGACAACGGCTCCATCTTTGAGGAAC
 CCTTTGATGGCAGGAGCCTGTCCAAACTGAACCTGTGTGAGGATGGTCCATGTCAACAAGCGCGGGCGGG
 TGGCTGCTGCACACAGCTGGGCTCCCTGTGAGCGCTGAAGCATGCGGTCTCGGGGCTGTATCTTCTGGTC
 TTCCTGACTCTTGTGGGTGTCTTCATCTTAGCAGTGTCCCGCCTCGCAGCTCCCCAGATGACTTGAAGG
 CGCTGACTAGGAACATCAACCGGCTGAATGAAAGCTTCCGGGACATGCAGCTACGGCTGCTGCAGGCTCC
 GTTGCAGGCAGACCTGACGGAACAGGTGTGAAAGTTCAGGATGCACTGCAGAACCAGACAGACTCACTG
 TTGGCCCTGGCAGGCTTGGTGCAGAGACTGGAGGGCACACTGTGGGGGCTGCACGCGCAGGCTGCACAGA
 CTGAGCAGGCGGTGGCCCTGCTGCGTGACCGAACAGGACAGCAGAGCGACTCCGCACAGCTGGAACCTA
 CCAGTTGCAGGTGAAAGCAATCGAAGCCAGCTGCTGCTGCAGCGGCACGCAGGCTGCTGGATGGGCTA
 GCACACAGGGTGGGGTCTGGGCGAGGAGCTGGCTGATGTGGTGGTGCACCTCGTGGCCCAACCACA
 GCCTATCCTATGACGTGGCTCTGCACAGCACGTGGCTACAGGACCTGCAGGTGCTGGTGACAAATGCCAG
 CGCAGACACACGCCGTATGAGGCTGGTGCACATGGACATGGAGATGCAACTCAAGCAGGAGCTGGCCACA
 CTCAATGTGGTACTGAGGACCTGCGTCTGAAGGACTGGGAGCACTCCATCGCCCTGAGGAACATCACCC
 TTGCCAAAGACCACCAGGACCCAAAGGTGACCAAGGGAATGAAGGGAAGGAGGGAAAGCCAGGTAGCCC
 TGGACTTCTGGATCTCGAGGTCTGCCAGGAGAGAGAGGTGACCCAGGAATGCCTGGTCTAAGGGTGTG
 GATGGGAAGCTAGGAGCCACAGTCCCATGGGCATGCGCGGATTCAAAGGTGAGAGAGGCCCAAAGGGAG
 AGAAAGGAGAAAGAGGAGAGAGAGCTGGTGATATGGATTTCACAATGATTCGCCTGGTGAATGGCTCTGG
 CCCACACAGGGCGGGTGGAGGTATCCACAGTTCGTCGCTGGGGCACAGTGTGTGATGACGGCTGGGAC
 AAGAAGGATGGGACGTGGTGTGCCGATGCTGGGCTTCCACAGTGTGGAGGAGTGCACCCGACAGCTC
 GTTTTGGCAAGGCACAGGGAGGATCTGGATGGATGATGTGAACTGCAAGGGAAGTGAAGCTCCATCTT
 CCACTGCCAGTCTCCAATGGGGCGTGACAAATGTGGGCATGCTGAGGACGCTGGAGTGACTGTACT
 GCCCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214097 representing NM_001135855
 Red=Cloning site Green=Tags(s)

MMDNKAMYLHTVSDRDNGSIFEEPFDGRSLSKLNLCEGDPCHKRRAGGCCTQLGSLSALKHAVLGLYLLV
 FLTLVGVFILAVSRPRSSPDDLKALTRNINRLNESFRDMLRLQAPLQADLTEQVWKVQDALQNQTDLSL
 LALAGLVQRLEGLWGLHAQAAQTEQAVALLRDRTGQQSDSAQLELYQLQVE SNRSQLLLQRHAGLLDGL
 AHRVGLGEELADVGGALRGLNHSLSYDVALHSTWLQDLQVLVSNASADTRRMRLVHMDMEMQLKQELAT
 LNVVTEDLRLKDWESHIALRNITLAKGPPGPKGDQNGEGKEGKPGSPGLPGSRGLPGERGDPMPGPKGD
 DGKLGATGPMGMRGFKGERGPKGEKGERGERAGDMDFMIRLVNNGSPHQGRVEVFHDDRWTVCDDGWD
 KKDGDDVCRMLGFHSVVEVHRTARFQGTGRIWMDDVNCKGTESSIFHCQFSKWGVTNCGHAEDAGVTCT
 AL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001135855

ORF Size: 1476 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_001135855.1](#), [NP_001129327.1](#)

RefSeq Size: 3753 bp

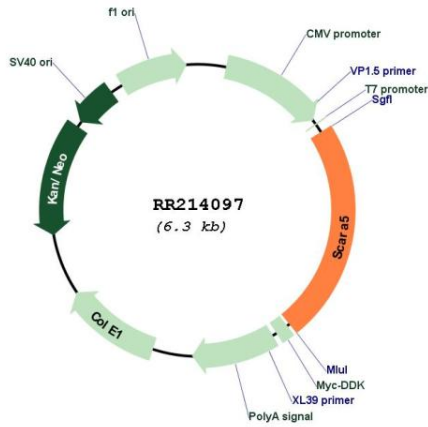
RefSeq ORF: 1479 bp

Locus ID: 305974

Cytogenetics: 15p11

MW: 53.8 kDa

Product images:



Circular map for RR214097