

## Product datasheet for **MR209354**

### Scara3 (NM\_172604) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Scara3 (NM_172604) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scara3
Synonyms:	APC7; C130058N24Rik; CSR; CSR1; MSLR1; MSRL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR209354 representing NM\_172604  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAAGTGAGATCAGCTGGCAGTGACAGGGATGTACTGTGTGCTACTGAAGAGGACCTGGCTGGTGAAG  
 ACGAGGACATGCCATCCTTCCCATGCACCAAGAGGGCCGGGCGAGACCCCGCTGCAACCGCTGCCAGAA  
 GAACCTATCTTTGCACACATCAGTGC GGATTTTGTACCTCTTCTCACTCTGCTCCTGGTGGCCGTGGCT  
 GTGCTGGCCTCTCTGGTTTTAGAAAGGTGGACTCTCTCTCAGAAGATATCTCCTTGGCCAGTCCATCT  
 ATAATAAGAAGCTTGTGTCAATGCAAGAAAATCTTCAAGGACTAGACCAAAAAGCCCTGATCAATTGTTC  
 CTTTTGCCGTGAGGCTGAGCAGCTGGGGCAAGAGATCAGGAAGGTCCAGGAGGAGCTGGAGGGGCTTCAG  
 AAGATGCTGTAGCCAGGAGTCCAGCTGGACCAGACCTCCAGACCCATGAGCTGCTCTCCACCAGAA  
 GCAGTCAATCTCCAGGAGATGGCAGTTGCTCCTTCTCCATTACCAGGTCAATCAGTCCCTGGGACT  
 CTTCTGGCACAGGTGAGGGCTGGCAGGCCACCACAGCAGGCATGGACATCACCTGAAGGACCTCACC  
 CAGGAGTGTATGATGTCAAGGCTGCTGTACACCAGATCAACTTACGGTGGGCCAGACTGCTGAGTGGA  
 TCCACGGGATCCAAAGGAAGACAGATGAGGAGACCCTGACCCTGCAGAAGATAGTCACTGACTGGCAGAA  
 CTACACCAGACTCTTTGGGGTCTGCGAACACCTCTGCCAAGACTGGCGAAATAGTCAAGACCATTGAG  
 ACCACCCTGGGGGCTCCTCACAGCGCATTAGCCAGAATTCTGAGAGCATGCATGACTTGGTTCTGCAGG  
 TCATGGCCTACAGCTACAGCTGGACAACATCTTCTCTTTTGGATGACCATGAGGAGAACATGCATGA  
 CCTCAATACCACACCCGATATGCCAGAATCGCACAGTGGAAAGGTTGAGTCTCTGGAAGGACGTATG  
 GCTTCTCATGAGATTGAAATCGGCACTATCTTACCAATATCAATGCCACCGACAACCACGTGCACAGCA  
 TGCTCAAGTACCTGGACAGCTGCGGCTGTCTTGCACACTGGGCTTCCACACCCATGCTGAAGAGCTCTA  
 CTACCTGAATAAATCCGTCTCCCTCATGCTGGGCAACACAGATCTGCTCAGGGAGCGCTTCAAGTCTGCTC  
 AGTGCCCGGTTAGACTTCAATGTCCGAAACCTCTCCATGATCATGGAGGAAATGAAGGCTGTGGACACAC  
 ACCACGGAGAAATCCTTCGCAATGTACCGTCTCCGAGGTGTCCCGGCCCTCCAGGACCAAGAGGACT  
 CAAAGGAGATACAGGCGTAAAGGACCTGTTGGTAGCAGAGGACCTAAAGGGGATCCTGGCAATCTGGGA  
 CCCCCAGGACCTCAGGGTCTCAGGGGAGCCTGGGGAGCCAGGACCTGTGGGAGAAAGAGGGCCAGCTG  
 GCCCCAGAGGCTTCCAGGCCTCAAAGGCTCAAAGGGCAGCTTTGGCACTGGAGGACCAAGGGGCGACCC  
 AGGCCCAAGGGGATGTGGGGCCCTAGGGCCAGAGGGGCCCCAGGGTCTCCAGGACCTCAGGGCCT  
 CAGGGAAAGCCAGGAATTCAGGAAAGACAGGGTACCAGGCCAGCGAGGGGCCACAGGGCCTAAGGGT  
 AACCGGATCCAGGGTCCCCCTGGACTACCTGGACCTCCAGGTCCACCAGGGAACAGAGCCCTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR209354 representing NM\_172604  
 Red=Cloning site Green=Tags(s)

MKVRSA GSDRDVLCVTEEDLAGEDEDMPSFPCTQEGRAGPRCNRQCQKNSLHTSVRILYLFLTLLLVAVA  
 VLASLVFRKVDLSLSEDISLAQSIYNKKLVSMQENLQGLDPKALINCSFCREAEQLGQEIRKVQEELEGLQ  
 KMLLAQEVQLDQTSQTHELLSTRSSQISQEMGSCSFSIHQVNSLGLFLAQVRGWQATTAGMDITLKDIT  
 QECYDVKA AVHQINFTVGQTAEWIHIQRKTDEETLTLQKIVTDWQNYTRLFGGLRTTSAKTGEIVKTIQ  
 TTLGASSQRISQNSESMHDLVLQVMGLQLQLDNISFLLDDHEENMHDLYHTRYAQNRTVERFESLEGRM  
 ASHEIEIGTIFTNINATDNHVSMLKYLDDVRLSCTLGFHTHAEELYYLNKSVSLMLGTTDLLRERFSLL  
 SARLDFNVRNLSMIMEEMKAVDTHHGEILRNVTVIRGVP GPPGPRGLKGDGTGKGPVGSRGPKGDPGNLG  
 PPGPQGPQGPGEPPVGERGPAGPRGFPGLKGSKGSF GTGGPRGQPGPKGDVGLPLGPEGPPGSPGSPG  
 QGKPGISGKTGSPQRGATGPKGEPGIQPPPLGPPGPPGNQSPY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9014\\_f07.zip](https://cdn.origene.com/chromatograms/mm9014_f07.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_172604

ORF Size: 1818 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\\_172604.3](#), [NP\\_766192.1](#)

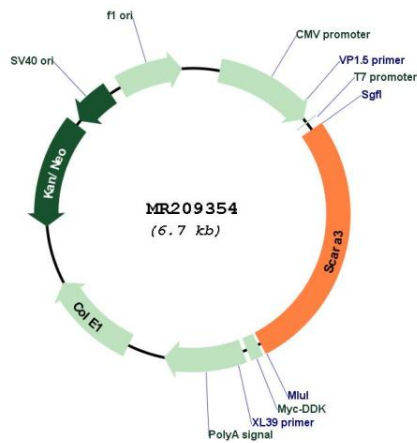
RefSeq Size: 3405 bp

RefSeq ORF: 1821 bp

Locus ID: 219151

UniProt ID: [Q8C850](#)  
 Cytogenetics: 14 D1  
 MW: 65.9 kDa  
 Gene Summary: Seems to protect cells by scavenging oxidative molecules or harmful products of oxidation. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR209354