

## Product datasheet for **RR207327**

### Scara3 (NM\_001108870) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Scara3 (NM_001108870) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scara3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR207327 representing NM\_001108870  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAAAGTGAGATCAGCTGGCAGTGACAGGGATGTACTGTGTGCTACTGAAGAGGACCTGGCTGGTGAAG  
 ACGAGGATATGTCATCCTTCCCATGCTCCCAAGAGGGCCGGCAGGACCCCGTTGCAACCGCTGCCAGAA  
 GAACCTATCTTTGCACACATCAGTGCAGTTTGTACCTCTTCTGGCTCTGCTCCTGGTGGCCGTGGCT  
 GTGCTGGCCTCTCTAGTTTTAGAAAGGTGGACTCTCTCTCAGAAGACATCTCCTTGGCCAGTCCATCT  
 ATAATAAGAAGCTTGTGTCAATGCAAGAAAATCTTCAAGGACTGGACCCAAAAGCCCTGATCAATTGTTC  
 CTTTTGCCGTGAGGCTGAGCAGCTGGGGCAAGAGATCAGGAAGCTCCAGGAGGAGCTGGAGGGGCTCAG  
 AAGATGCTGCTGGCCAGGAGTCCAGCTGGACCAGACTCCAGGCCATGAGCTGCTCTCCACCACAA  
 GCAGTCAATCTCCAGGAGATGGCAGTTGTTCTTCTCCATTACCAGGCAATCAATCCCTGGGACT  
 CTTCTGGCACAAGTGGGGTTGGCAGGCCACCACAGCAGGTATGGACATCAGCCTGAAGGACCTCACC  
 CAGGAGTCTATGACGTCAAGGCTGCTGTACACCAGATCAACTCACGGTGGGCCAGACTGCTGAGTGGA  
 TCCACGGGATCCAGAGGAAGACAGACGAGGAGACCCTGACCCTGCAGAAGATAGTCACTGACTGGCAGAA  
 CTACACCAGGCTCTTTGGAGTTTGCAGAACCTCTGCCAAGACTGGAGAAATAGTCAAGACTATTCAA  
 GCCACCCTGGGGCCCTCTCAGCGCATTAGCCAGAATTCTGAGAGCATGCATGACCTGGTGTACAGG  
 TCATGGCCTACAGCTACAACCTGGACAATATCTCTTCTTTTGGATGACCATGAGGAAAACATGCATGA  
 CCTCAATACCACACCCGATATGCCAGAATCGCACAGTGGAAAGGTTGAGTCTCTGGAAGGACGCATG  
 GCTTCTCAGGAGATTGAAATGGCACCATCTTACCAATATCAATGCCACTGACAACCAGTGCACAGCA  
 TGCTCAAGTACCTGGACGATGTACGGCTGTCTTGCACACTAGGCTTCCACACCCATGCCAGGAGCTCTA  
 CTACCTGAATAAGTCTGTCTCCCTCATGCTGGGCACCACAGATCTGCTCAGGGAGCGCTTCAGTCTCTC  
 AGTGCTCGGTTAGACTTCAATGTCCGAAACCTCTCCATGATCATGGAGGAAATGAAGGCTGTGGACACAC  
 ATCACGGAGAAATCCTTCGCAATGTACCATCATCCGAGGTGTCCCGGCCCTCCCGACCAAGAGGATT  
 CAAAGGAGATACAGGCATGAAAGGACCTGTTGGTAACAAAGGACCTAAAGGGGATCTGGCAGTCTGGGA  
 CCCCCCGACCTCAGGGTCTCAGGGACAACCTGGGAACCAGGACCTGTGGGAGAAAGAGGGCCAGCTG  
 GCCCCCGAGGCTTCCAGGCCTCAAAGGCTCAAAGGGCAGCTTTGGCACTGGAGGGCCAAGGGGCGCC  
 AGGCCCAAAGGGGATGTGGACCCCCAGGGCCAGAGGGGCCCCAGGGTCTCAAGGACCTCAGGGCCT  
 CAGGGAAAGCCAGGGATTCAGGAAAGGCAGGGTACCAGGCCAGCGAGGGGCCACAGGGCCTAAGGGT  
 AACCCGGCATCAAGGTCCCCTGGACTACCTGGACCTCCAGGTCCACCAGGGAACCAGAGCCCTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR207327 representing NM\_001108870  
 Red=Cloning site Green=Tags(s)

MKVRSAQSDRDVLCVTEEDLAGEDDMSSFPCSQEGRAGPRCNRQKNLSLHTSVRILYLFLALLLVAVA  
 VLASLVFRKVDLSLSEDISLAQSIYNKKLVSMQENLQGLDPKALINCSFCREAEQLGQEIIRKLEEEGLQ  
 KMLLAQEVQLDQTSQAHELLSTTSSQISQEMGTCFSIHQVNSLGLFLAQVRGWQATTAGMDISLKDILT  
 QECYDVKAAVHQINFTVGTAEWIHQIRKTDEETLTLQKIVTDWQNYTRLFGLRSTSAKTGEIVKTIQ  
 ATLGASSQRISQNSESMHDLVLQVMGLQLQLDNISSFLDDHEENMHDLYHTRYAQNRTVERFESLEGRM  
 ASHEIEIGTIFTNINATDNHVSMLKYLDDVRLSCTLGFHTHAEELYLNKSVSLMLGTTDLLRERFSL  
 SARLDFNVRNLSMIMEEMKAVDTHHGEILRNVTIIRGVPGGPRGFKGDTGMKGPVGNKGPKGDPGSLG  
 PPGPQGPQGPGEPPVGERGPAGPRGFPGLKGSKGSFDTGGPRGQPGPKGDVPPGPEGPPGSGPSPG  
 QGKPGISGKAGSPGQRGATGPKGEPGIQGPPLGPPGPPGNQSPY

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

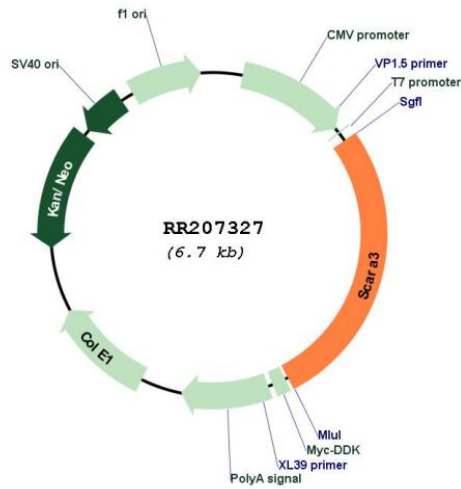
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM\_001108870

<b>ORF Size:</b>	1818 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001108870.1</a> , <a href="#">NP_001102340.1</a>
<b>RefSeq Size:</b>	3358 bp
<b>RefSeq ORF:</b>	1821 bp
<b>Locus ID:</b>	364405
<b>Cytogenetics:</b>	15p12
<b>MW:</b>	65.3 kDa