

## Product datasheet for **RR208504**

### Sag (NM\_013023) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Sag (NM\_013023) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Sag  
 Synonyms: SAGMR; SANTI  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RR208504 representing NM\_013023  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCAGCCTGTGTGAAGACCAATAAATCCCATGTCATCTTCAAGAAGGTCTCCCGGGACAAGTCGGTGA  
 CCATCTACCTGGGAAGAGAGACTATATAGATCACGTGACCAAGTAGAGCCTGTAGATGGTGTGATT  
 GGTGGATCCTGAGCTCGTGAAGGGGAAGAAAGTGTATGTCACCCTGACCTGCGCCTCCGCTATGGCCAA  
 GAGGACATTGATGTGATTGGCCTGACCTTCCGACAGGGACCTGTATTTCTCTCGGGTCCAGGTATATCCTC  
 CTGTTGGGGCCATGAGTGCCCAACCCAGCTCCAGTTGAGCCTGCTCAAGAACTGGGAGATAACACGTA  
 CCCATTTCTGCTCACGTTCCCTGACTACCTACCCTGCTCAGTGATGTTGCAGCCAGCTCCACAAGATGTA  
 GGAAGAGCTGTGGGTTGACTTTGAGGTTAAAGCATTGCCACAGACATCACAGATGCTGAAGAGGACA  
 AGATCCCAAGAAGAGCTCTGTGCGGTTACTGATCCGGAAGGTGCAGCATGCCCCACCTGAGATGGGTCC  
 CCAGCCCTGTGCTGAAGCCTCCTGGCAGTTCCTCATGTCTGACAAGCCCTGCACCTCTCAGTCTCCCTC  
 AGCAAAGAGATATATTTCCATGGGGAGCCCATCCCTGTGACCCTGACTGTGACCAATAACACGGAGAAGG  
 TTGTGAAGAAGATTAAGTGTGAGTGAACAAATAGCCAATGTGGTTCTCTACTCGAGTATTATACGT  
 CAAGCCTGTGGCCTCGGAGGAAACACAGGAAAAAGTGCAGCCAAACAGCACTTTGACCAAGACGCTGGTG  
 CTGGTGCCCTCCTGGCTAACAACAGAGAAAGAAGAGGCATCGCGCTGGATGGGAAGATCAAGCATGAGG  
 ACACAAACCTGGCCTCCAGCACCATTATCAAGGAGGGCATCGATCGGACCCTCATGGGCATCCTGGTGT  
 ATACCATCAAGGTGAAGCTCACGGTGTGAGGCTTTCTAGGAGAGCTCACATCCAGTGAAGTGGCTACT  
 GAGGTGCCGTTCCGTCTGATGCACCCAGCCTGAGGACCCAGCAAAAGAAAGTGTCCAGGATGAAAATC  
 TGGTTTTGAAGAGTTTGTCTGACAAAATCTGAAAGATACTGGAGAGAATACAGAAGGGAAGAAAGATGA  
 GGATGCAGGCCAGGATGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR208504 representing NM\_013023  
 Red=Cloning site Green=Tags(s)

MAACVKTNKSHVIFKKVSRDKSVTIYLGKRDIHVSVQVEPVDGVVLDPELVKGGKVVYVLTCAFYRGQ  
 EDIDVIGLTFRRDLYFSRVQVYPPVGAMSAPTQLQLSLLKKGNDNTYFLLTFPDYLPCSVMLQPAPQDV  
 GKSCGVDFEVKAFATDITDAEEDKIPKSSVRLIRKVVQHAPPENGPQCAEASWQFFMSDKPLHLSVSL  
 SKEIYFHGEPVPTVTVTNNTKVVKKIKVSVQEIANNVLYSSDYVVKPVASEETQEKVQPNSTLTKTLV  
 LVPLLANNRERRGIALDGKIKHEDTNLASSTIIKEGIDRTVMGILVSYHIKVKLTVSGFLGELTSSEVAT  
 EVPFRLMHPQPEDPAKESVQDENLVFEFARQNLKDTGENTEGKKDEDAGQDE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

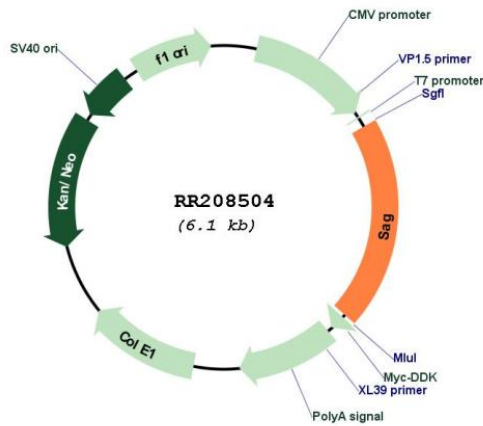
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_013023

<b>ORF Size:</b>	1209 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_013023.2</a> , <a href="#">NP_037155.2</a>
<b>RefSeq Size:</b>	1482 bp
<b>RefSeq ORF:</b>	1212 bp
<b>Locus ID:</b>	25539
<b>UniProt ID:</b>	<a href="#">P15887</a>
<b>Cytogenetics:</b>	9q35
<b>MW:</b>	44.9 kDa
<b>Gene Summary:</b>	may act as a GTP/GDP-binding protein; may play a role in signal transduction in the retina [RGD, Feb 2006]