

Product datasheet for MC206584

Sag (BC016498) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sag (BC016498) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sag
Synonyms: A930001K18Rik; Arr1; arrestin; Irbp
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC016498
 GTGGGGTTATCTGATAGGATTGCACCAGGTCCCTCAGAGCGTGGCTGGCTGCTCACTGTGCGAAAAGCAC
 AGGTACCCTCTCGTGACTTCTCTGGCCAGCTCAACTGGTGGTGACAAATTACAAGCCTTCCAACCTCTG
 ACGTACATCCCAAGGGACAGACAGCATGGCAGCCTGCGGGAAGACCAATAAATCCACGTCATCTTCAAG
 AAGGTCTCTCGGACAAGTCGGTGACCATCTACCTGGGGAAGAGAGACTATGTAGACCACGTCAGCCAAG
 TAGAGCCTGTAGATGGTGTGTGCTGGTGGACCCTGAGCTTGTGAAGGGGAAGAAGGTGTATGTCACCT
 GACCTGCGCCTTCCGCTATGGCCAGGAGGACATTGATGTGATGGGCTGACCTTCCGAGGGACCTGTAT
 TTTTCTCGGGTCCAGGTATACCTCCTGTTGGGGCCATGAGTGTCTCACCAACTCCAAGAGAGCCTGC
 TCAAGAACTGGGAGACAACACGTACCCCTTTCTGCTCACGTTTCTGACTACCTACCCTGTTCAAGTGT
 GTTGCAGCCAGCTCCCCAGGATGTAGGCAAGAGCTGTGGGTTGACTTTGAGGTTAAAGCATTTGCCTCA
 GACATCACAGATCCTGAGGAGGACAAGATCCCCAAGAAGAGCTCTGTGCGGTTACTGATCCGAAAGTGC
 AGCATGCCACCTGAGATGGGTCCCCAGCCAGTGTGAAGCCTCTGGCAGTTCTTATGTCTGACAA
 GCCCTGAACCTCTCAGTCTCCCTCAGCAAGAGATATATTTCCATGGGGAGCCCATCCCGTGACTGTG
 ACCGTGACCAACAACACCGACAAGGTTGTGAAGAAGATTAAGTATCAGTGGAACAGATAGCCAATGTGG
 TTCTCTACTCAAGTGACTATTACGTCAAGCCTGTAGCCTCGGAGGAAACACAAGAAAAAGTGCAGCCAAA
 CAGCACTTTGACCAAGACACTGGTGTGGTGGCCCTACTGGCTAACAAACAGAGAAAGAAGAGGCATCGCG
 CTGGATGGGAAGATCAAGCATGAGGACACAAACCTGGCCTCCAGCACCATCATCAAGGAGGGCATCGACC
 GGACCGTCATGGGGATCCTGGTGTACATACCATATCAAGGTGAAGCTCACGGTGTGCGGCTTTCTAGGAGA
 GCTCACATCCAGTGAAGTGGCTACCGAGGTGCCGTTCCGCTCATGCACCCGACGCTGAGGATCCAGCA
 AAAGAAAAGTGTTCAGGATGAAAATTTGGTTTTTGAAGAGTTTGCTCGCCAAAATCTGAAAGATACTGGAG
 AGAACCCAGAAGGGAAGAAGATGAGGATGCTGGCCAGGATGAGTGAAGACTTAGCCTAGATGCCTAGAA
 ACTGCTTGTAGTCCGGGTGCCTTGAGGGAAGCCCCGGTAGACTCTCAAAGTTATGCTAGATATCAAAG
 CATGAGCATTCTCCAGAAATAAAGTCTCTGGGTCTCTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAA

Restriction Sites: EcoRI-NotI
ACCN: BC016498



[View online »](#)

Insert Size:	1212 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	BC016498 , AAH16498
RefSeq Size:	1553 bp
RefSeq ORF:	1212 bp
Locus ID:	20215
Cytogenetics:	1 44.44 cM
Gene Summary:	Binds to photoactivated, phosphorylated RHO and terminates RHO signaling via G-proteins by competing with G-proteins for the same binding site on RHO (PubMed:9333241, PubMed:16421323). May play a role in preventing light-dependent degeneration of retinal photoreceptor cells (PubMed:16421323).[UniProtKB/Swiss-Prot Function]