

Product datasheet for RN207126

Sigmar1 (NM_030996) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sigmar1 (NM_030996) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Sigmar1
Synonyms:	Oprs1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN207126 representing NM_030996 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGTGGGCTGTGGCCGGCGGTGGGCATGGATCACCCGTTTCTGACTATTGTGGCGGTGCTGATCC
AGGCGGTCTGGCTGTGGCTGGTACTCAGAGCTTCGTCTCCAGAGAGAAGAGATAGCTCAGCTTGCTCG
ACAGTACGCAGGGCTGGACCATGAGCTGGCCTTCTCGGCTGATCGTGGAGCTGCGGAGGCTGCACCCA
GGCCACGTGCTGCCGGATGAGGAGCTGCAGTGGGTGTTTGTGAACGCGGGCGGCTGGATGGCGCCATGT
GTCTTTTGACCGCTCGCTGTCTGAGTACGTGCTGCTCTCGGCACCGCCCTGGGCTCCCATGGCCATTC
GGGACGATACTGGGCTGAGATTTAGATACCATCATCTCTGGCACTTCCACAGTGGAGAGAGGGCACC
ACAAAAAGTGAGGTCTATTACCCAGGAGAGACGGTTGTCCATGGACCTGGAGAGGCAACAGATGTGGAGT
GGGGACCAACACGTGGATGGTGGAGTATGGCCGGGTGTTATTCGGTCTACCCTGGCATTGCACTTAG
TGACACTATTTTCAGCACCCAGGACTTCCTCACCTCTTCTATACCCCTTCGCGCCTATGCCCGGGGCTC
CGGCTTGAGCTCACCACTACCTCTTTGGCCAAGACCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_030996
Insert Size:	672 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:

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_030996.1](#), [NP_112258.1](#)

RefSeq Size: 1590 bp

RefSeq ORF: 672 bp

Locus ID: 29336

UniProt ID: [Q9R0C9](#)

Cytogenetics: 5q22

Gene Summary: mediates nerve growth factor induced neurite sprouting; may play a role in neuronal response to antidepressants [RGD, Feb 2006]