

Product datasheet for MC200340

Sigmar1 (NM_011014) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sigmar1 (NM_011014) Mouse Untagged Clone
Tag: Tag Free
Symbol: Sigmar1
Synonyms: mSig; O; Oprs1; Si; Sig1R; sigma1R
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC002000 sequence for NM_011014
CACAGCCTGTGGCCCTAGTTCGGTCTTACGTTGGTGGTGCCAGGCTGCCCGCTAGAATGCCGTGGGCCG
GGGACGGCGGTGGGCATGGATCACCTGATTCTGACTATTATCGCAGTGCTGATCCAGGCCCTGGTTG
TGGCTGGCACTCAAACCTTCGTCTTCTTAGAGAAGAAATAGCCAGCTTGCTCGACAGTATGCGGGG
TGGACCATGAGCTTGCCTTCTCTCGGCTGATCGTGGAGCTGCGGAGGCTGCACCCAGGCCACGTGCTGCC
GGATGAGGAGCTGCAGTGGTATTTGTGAACGCGGGCGGCTGGATGGGCGCCATGTGATTCTGCACGCC
TCGCTGTCTGAGTACGTGCTGCTTTCGGCACCGCCCTGGGCTCCCATGGCCATTGCGGACGATACTGGG
CTGAGATTTCTGACACCATCATCTCTGGCACCTTCCACCAATGAAAAGAGGGCACCACGAAAAGTGAGGT
CTTCTACCCAGGAGACAGTGTACACGGCCTGGAGAAGCAACGGCTCTGGAGTGGGGACCAAACACG
TGGATGGTGGAGTACGGCCGGGTGTTATTCGGTCTACCTGTTCTTTGCACTAGCCGACACTTTCTTCA
GCACCCAGGACTACCTCACACTTCTATACCTTCGGGCTATGCCCGGGCCTCCGGCTTGAGCTTAC
CACCTACCTCTTTGGCCAAGACTCCTGACCAGCCAGGCCCTGAAGGAAGATCTGTGGATGGACAGGAGCGG
GCAGGACCACATCCATCTCTACTCGCTGAACTCATATTCAGACAGCAGCGTATACCATGCAGATATT
AAGTACCTGCTGTATGAGGAAGGACATACATACTTGTACATCCAGACACAGCTCTTGGGAAGCAAATGAG
ACACAGAGATGCTAAGACTTGTATGTAAGTATGCACTCACATCCACCCAGAAAGGGTCCCTCTA
CATATACTCCAGGGGCCAGTCACTGTTTGAACACACATCAAGCTTGACTCACTGACTCAGGCTTTCT
AGAGCCTCCTGCTGGCATTACAGGCTCTGGGATCAAGGTTGAGGTAGATGTTACACACTACCTCACT
GCAGCTATGATGCCCTTCCCTTCCCTTTCCCTCACCATATGCCTTATCTCCATTCCACTCCCTTGCTA
TGCAAATGCCCCCTGGCTTGTCTCCCTGCCCCCGGCAACCAAGTTACAGTGGGAAAAGCAGAGGCAT
GTAGAGGATGCTAAAGGGAAGGGAGGCTCTCACTACGGAGACCTTGTGGGGTTAGAATGGGAAAGCT
GGCTAGTGCCCCAGGCCAGTCCCAAGGAGAGGACCTGGAGAAGTAAGCCGGGGTCCAAGGAGCCACCC
CATTCCAAAAGAAGCCTTTAGTGTGTGTGTGCACACCCTATCAGTTTCCAGACATATCTGTTGCAATCTC
TGTCTTCTGTCTCTCTGTTAATAAAAAACATATTAACAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_011014
Insert Size:	672 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:	BC002000 , AAH02000
RefSeq Size:	1595 bp
RefSeq ORF:	672 bp
Locus ID:	18391
UniProt ID:	O55242
Cytogenetics:	4 A5
Gene Summary:	<p>This gene encodes a transmembrane protein located in the endoplasmic reticulum. The encoded protein is a receptor that binds several endogenous ligands, including N,N-dimethyltryptamine, progesterone and pregnenolone and a variety of of non-opiate compounds. The encoded protein plays a role in regulating the activity of ion channels, acting as a chaperone and protecting cells from oxidative stress. In humans, this receptor has been associated with Alzheimer's and Parkinson's diseases, stroke and numerous disease conditions such as depression, pain and addiction. Alternative splicing results in multiple transcript variants encoding different isoforms.[provided by RefSeq, Nov 2013]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>