

# Product datasheet for MR202589

### Sigmar1 (NM\_011014) Mouse Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

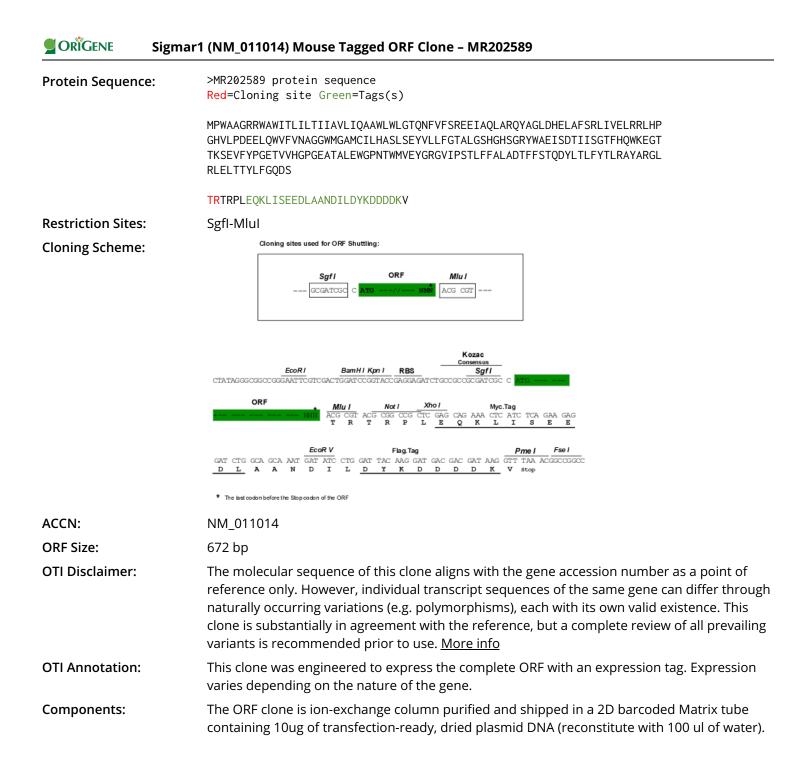
Product Type:	Expression Plasmids
Product Name:	Sigmar1 (NM_011014) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sigmar1
Synonyms:	mSig; O; Oprs1; Si; Sig1R; sigma1R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202589 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C

ATGCCGTGGGCCGCGGGACGGCGTGGGCATGGATCACCCTGATTCTGACTATTATCGCAGTGCTGATCC AGGCCGCCTGGTTGTGGCTGGGCACTCAAAACTTCGTCTTCTCTAGAGAAGAAATAGCGCAGCTGCTGC ACAGTATGCGGGGCTGGACCATGAGCTTGCCTTCTCTCGGCTGATCGTGGAGCTGCGGAGGCTGCACCCA GGCCACGTGCTGCCGGATGAGGAGCTGCAGTGGGGTATTTGTGAACGCGGGCGCCGGATGGGGCGCCATGT GTATTCTGCACGCCTCGCTGTCTGAGTACGTGCTGCTCTTCGGCACCGCCCTGGGCTCCCATGGCCATTC GGGACGATACTGGGCTGAGATTTCTGACACCATCATCTCTGGCACCTTCCACCAATGGAAAGAGGGCACC ACGAAAAGTGAGGTCTTCTACCAGGAGAGACAGTTGTACACGGGCCTGGAGAAGCAACGGCTCTGAGT GGGACCAAACACGTGGATGGTGGAGTACGGCCGGGGTGTTATTCCGTCTACCCTGTTCTTTGCACTAGC CGACACTTTCTTCAGCACCCAGGACTACCTCACACTCTTCTATACCCTTCGGGCCTATGCCCGGGGCCTC CGGCTTGAGCTTACCACCAGGACTACCTCACACTCTTCTATACCCTTCGGGCCTATGCCCGGGGCCTC CGGCTTGAGCTTACCACCTACCTCTTTGGCCAAGACTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG**GTTTAA** 



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



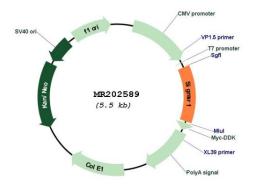
This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

### Sigmar1 (NM\_011014) Mouse Tagged ORF Clone – MR202589

Reconstitution Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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>
RefSeq:	<u>NM 011014.3</u>
RefSeq Size:	1640 bp
RefSeq ORF:	672 bp
Locus ID:	18391
UniProt ID:	<u>055242</u>
Cytogenetics:	4 A5
MW:	25.2 kDa
Gene Summary:	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]

## **Product images:**



Circular map for MR202589

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US