

Product datasheet for **MC203270**

Saraf (NM_026432) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Saraf
Synonyms:	1810045K07Rik; Tmem66
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:	>BC022616 GTCAGATTGGCGCAGGACAAAGTAACGTCGCGTCTTGCTGCTGTCAGGTGGTCCCTTTATGGTGGGTTCTGTGGTCGCTGCGCAGCGGCTGGCCGACTTCCGCAGCGGGTCTCGGGCCACCGAGCGCCGCTTACCCAGCGCCATGGCTGTGGCCGCTGTGCGCCGCGCCGAGAGCCCTGCGCTGCCGCTGTTGCTCCTGCTGCAC TCCTGCTGGTAGCCGGCCCTGCGCTGGGCTGGAACGACCCTGACAGAATACTCTTGCGGGATGTGAAAGC TCTTACCCCTACTCCGACCGCTACACCACCTCCCGGAGGCTGGACCCTATCCACAGTTGAAGTGTGTT GGAGGCACCGCCGTTGTGAGGCCTATACCCCGAGGTGATACAGTGCCAGAACAAAGGCTGGGATGGCT ACGATGTACAGTGGGAATGTAAGACCGACTTGGATATTGCATACAAATTTGGCAAACTGTGGTGAAGCTG TGAAGTCTACGAGTCTCTGAAGACAGTATGTCTCAGGGGTTCTGCGGCTTGGAGTACAACTTAGAT TACACAGAGCTGGGCTGAAGAACTGAAGGAGTCTGGAAGCACCAGGGCTTCTCTGATTATTATCACA AGCTGTACTCCTCAGATTCTGTGGCTTTATTACATTGCAGTACTGTTTGTCTCGCCTTTGCGGTTTCAAGCTGTTCTCAGCGATGGCCAGGGTGCCTCCGCCGATTCTGAGCACCCGCCATACTCAGAGCAC TCTCAGAGGTTTGCAGTGCCGAGGGGCGCTCCTCCGGGCTTTAAGTCGGAGTTCACAGGACCACAGA ATACTGGCTATGGTGCAAGCTCTGGCTTCGGGAGTGCTTTTGGAGGCCAAGGCTATGGCAGTTCAGGGCC GGGGTTCTGGTCTGGCTGGGAGCTGGAGGACTGCTTGGGTATTTGTTTGGCAGCAACAGAGCGGCGACG CCTTTCTCAGACTCGTGGTACCATCCAGCCTACCCTCCTTCCCACTCTGGGGCCTGGAACAGTCGGGCCT ACTCACCCCTGGGTGGAGGCGCAGGAGCTATTGTGCATCCTCTAATGCAGACTCGAGAACCAGAACAGC ATCAGGATATGGTGGCACCAGAAAGACGGTAAAAAGGAAATGAAGGCCAAACACTGGATGCAAGATTTCT GATTGTGTCATCACCATCTCTTAACACCTGGCTAATGGGAATAACCAAAAGTTGTGTGGTGTGGTGTCT TGTGTAGCTTTTCTGTGCCGTTGTTTGTGGCCAAGAGTTGATATGTGACAAAATGCTATGGTTTGTATG ATAATGTAACATGCAGTTCAAAGCGATGGCCACTGTGGAATGCTGACATTGTGCTTGTGTCTCAAGCCTT TCATACCAGAGGGGCGATTAGGAATGGAGCACCCTCCTGCTGAGACTGAGCACAGACCGCTTGAGCTAGG TGGCTTTGGACCATGAGTCATTCCCTCGTAGAAACAACGATCCTCTATTGGATATTAACACTTGGTGT TTGCTGTTCTTCAAACATTTAAGCCAGTGCCGACTACTAATTATGCTGATTTGTGGTTGCAATCGCTT GATCAGTAGAGCTTGGACCTTCTGTGGTGGTCAGCGCCTGGGGATTCTGACCTTTCACAGGAAGGGTAG AAAGCAAACGACATGCACAGAAGGCTTGAACCGCTAGACGTCAGTTCCTCAGGTGGTAGCATTTCAGACGC AAAAGCATGGAGTTCTCTGTGGAGTCTTAACTGTCAGATGTTGTGTGACATTTGTTTAGCCTTACA TTAATATGACAATAAATTAAGGACAGGAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_026432
Insert Size:	1092 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:	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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC022616 , AAH22616
RefSeq Size:	1868 bp
RefSeq ORF:	1092 bp
Locus ID:	67887
UniProt ID:	Q8R3Q0
Cytogenetics:	8 A4
Gene Summary:	Negative regulator of store-operated $\text{Ca}(2+)$ entry (SOCE) involved in protecting cells from $\text{Ca}(2+)$ overfilling. In response to cytosolic $\text{Ca}(2+)$ elevation after endoplasmic reticulum $\text{Ca}(2+)$ refilling, promotes a slow inactivation of STIM (STIM1 or STIM2)-dependent SOCE activity: possibly act by facilitating the deoligomerization of STIM to efficiently turn off ORAI when the endoplasmic reticulum lumen is filled with the appropriate $\text{Ca}(2+)$ levels, and thus preventing the overload of the cell with excessive $\text{Ca}(2+)$ ions (By similarity).[UniProtKB/Swiss-Prot Function]