

Product datasheet for **MR205583L4V**

Saraf (NM_026432) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	Saraf
Synonyms:	1810045K07Rik; Tmem66
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_026432
ORF Size:	1089 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(MR205583).

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

RefSeq:	NM_026432.2 , NP_080708.2
RefSeq Size:	1914 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]