

Product datasheet for **MR201512L4V**

Tmem110 (BC024583) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tmem110 (BC024583) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Tmem110
Synonyms:	1810038N08Rik; 2310014H19Rik; AW554125; STIMATE
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	BC024583
ORF Size:	522 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR201512).
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:	BC024583 , AAH24583
RefSeq Size:	1196 bp
RefSeq ORF:	524 bp
Locus ID:	69179
Cytogenetics:	14 B


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Gene Summary:

Acts as a regulator of store-operated Ca^{2+} entry (SOCE) at junctional sites that connect the endoplasmic reticulum (ER) and plasma membrane (PM), called ER-plasma membrane (ER-PM) junction or cortical ER. SOCE is a Ca^{2+} influx following depletion of intracellular Ca^{2+} stores. Acts by interacting with STIM1, promoting STIM1 conformational switch. Involved in STIM1 relocalization to ER-PM junctions. Contributes to the maintenance and reorganization of store-dependent ER-PM junctions.[UniProtKB/Swiss-Prot Function]