

Product datasheet for **MR222708L4V**

Izumo1 (NM_001018013) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Izumo1 (NM_001018013) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Izumo1
Synonyms:	1700058F15Rik; Izumo
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001018013
ORF Size:	1191 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR222708).
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_001018013.1 , NP_001018013.1
RefSeq Size:	1493 bp
RefSeq ORF:	1194 bp
Locus ID:	73456
UniProt ID:	Q9D9J7
Cytogenetics:	7 B3



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Gene Summary:

Essential sperm cell-surface protein required for fertilization by acting as a ligand for IZUMO1R/JUNO receptor on egg (PubMed:15759005, PubMed:24739963, PubMed:27309808). The IZUMO1:IZUMO1R/JUNO interaction is a necessary adhesion event between sperm and egg that is required for fertilization but is not sufficient for cell fusion (PubMed:15759005, PubMed:24739963, PubMed:27309808). The ligand-receptor interaction probably does not act as a membrane 'fusogen' (PubMed:15759005, PubMed:24739963, PubMed:27309808). [UniProtKB/Swiss-Prot Function]