

Product datasheet for **MR209222L4V**

Osbpl10 (NM_148958) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	Osbpl10
Synonyms:	4933433D06Rik; C820004B04Rik; OPR-10; ORP-10
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_148958
ORF Size:	1773 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(MR209222).

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_148958.2
RefSeq Size:	1872 bp
RefSeq ORF:	1776 bp
Locus ID:	74486
UniProt ID:	S4R1M9
Cytogenetics:	9 F3



Gene Summary:

Probable lipid transporter involved in lipid countertransport between the endoplasmic reticulum and the plasma membrane. Its ability to bind phosphatidylserine, suggests that it specifically exchanges phosphatidylserine with phosphatidylinositol 4-phosphate (PI4P), delivering phosphatidylserine to the plasma membrane in exchange for PI4P. Plays a role in negative regulation of lipid biosynthesis. Negatively regulates APOB secretion from hepatocytes. Binds cholesterol and acidic phospholipids. Also binds 25-hydroxycholesterol. Binds phosphatidylserine.[UniProtKB/Swiss-Prot Function]