

Product datasheet for **MR210802L4V**

Osbpl3 (BC086485) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Osbpl3 (BC086485) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Osbpl3
Synonyms:	ORP3, OSBP3, A530055M08
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	BC086485
ORF Size:	2457 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210802).
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:	BC086485.1
RefSeq Size:	3233 bp
RefSeq ORF:	2459 bp
Locus ID:	71720
Cytogenetics:	6 B2.3


[View online »](#)

Gene Summary:

Phosphoinositide-binding protein which associates with both cell and endoplasmic reticulum (ER) membranes. Can bind to the ER membrane protein VAPA and recruit VAPA to plasma membrane sites, thus linking these intracellular compartments. The ORP3-VAPA complex stimulates RRAS signaling which in turn attenuates integrin beta-1 (ITGB1) activation at the cell surface. With VAPA, may regulate ER morphology. Has a role in regulation of the actin cytoskeleton, cell polarity and cell adhesion. Binds to phosphoinositides with preference for PI(3,4)P2 and PI(3,4,5)P3. Also binds 25-hydroxycholesterol and cholesterol.[UniProtKB/Swiss-Prot Function]