

Product datasheet for **MR206320L3V**

Sag (NM_009118) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Sag (NM_009118) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Sag
Synonyms:	A930001K18Rik; Arr1; arrestin; Irbp
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_009118
ORF Size:	1212 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR206320).
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_009118.2 , NP_033144.1
RefSeq Size:	1718 bp
RefSeq ORF:	1212 bp
Locus ID:	20215
UniProt ID:	P20443
Cytogenetics:	1 44.44 cM



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Gene Summary:

Binds to photoactivated, phosphorylated RHO and terminates RHO signaling via G-proteins by competing with G-proteins for the same binding site on RHO (PubMed:9333241, PubMed:16421323). May play a role in preventing light-dependent degeneration of retinal photoreceptor cells (PubMed:16421323).[UniProtKB/Swiss-Prot Function]