

Product datasheet for **MR219553L4V**

Sos1 (NM_009231) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Sos1 (NM_009231) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Sos1
Synonyms:	4430401P03Rik; 9630010N06; AI449023
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009231
ORF Size:	3957 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR219553).
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_009231.2 , NP_033257.2
RefSeq Size:	8919 bp
RefSeq ORF:	3960 bp
Locus ID:	20662
UniProt ID:	Q62245
Cytogenetics:	17 50.67 cM



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Gene Summary:

Promotes the exchange of Ras-bound GDP by GTP. Probably by promoting Ras activation, regulates phosphorylation of MAP kinase MAPK3 in response to EGF (By similarity). Catalytic component of a trimeric complex that participates in transduction of signals from Ras to Rac by promoting the Rac-specific guanine nucleotide exchange factor (GEF) activity (PubMed:10499589, PubMed:11524436).[UniProtKB/Swiss-Prot Function]