Product datasheet for MR208314L4V

Riok3 (NM_024182) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Riok3 (NM_024182) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Riok3
Synonyms:	1200013N13Rik; D18Ertd331e; E130306C24Rik; Sudd
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_024182
ORF Size:	1560 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208314).
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_024182.3, NP_077144.2
RefSeq Size:	3661 bp
RefSeq ORF:	1560 bp
Locus ID:	66878
UniProt ID:	Q9DBU3
Cytogenetics:	18 6.15 cM

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Gene Summary: Involved in regulation of type I interferon (IFN)-dependent immune response which plays a critical role in the innate immune response against DNA and RNA viruses. May act as an adapter protein essential for the recruitment of TBK1 to IRF3. Phosphorylates IFIH1 on 'Ser-828' interfering with IFIH1 filament assembly on long dsRNA and resulting in attenuated IFIH1-signaling. Can inhibit CASP10 isoform 7-mediated activation of the NF-kappaB signaling pathway. May play a role in the biogenesis of the 40S ribosomal subunit. Involved in the processing of 21S pre-rRNA to the mature 18S rRNA.[UniProtKB/Swiss-Prot Function]