

Product datasheet for **MR202103L4V**

Rpl13a (NM_009438) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Rpl13a (NM_009438) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Rpl13a
Synonyms:	1810026N22Rik; Tstap198-7; tum-antigen
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009438
ORF Size:	612 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR202103).
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_009438.4
RefSeq Size:	1039 bp
RefSeq ORF:	612 bp
Locus ID:	22121
UniProt ID:	P19253
Cytogenetics:	7 29.14 cM



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Gene Summary:

Associated with ribosomes but is not required for canonical ribosome function and has extra-ribosomal functions (By similarity). Component of the GAIT (gamma interferon-activated inhibitor of translation) complex which mediates interferon-gamma-induced transcript-selective translation inhibition in inflammation processes. Upon interferon-gamma activation and subsequent phosphorylation dissociates from the ribosome and assembles into the GAIT complex which binds to stem loop-containing GAIT elements in the 3' UTR of diverse inflammatory mRNAs (such as ceruplasmin) and suppresses their translation. In the GAIT complex interacts with m7G cap-bound eIF4G at or near the eIF3-binding site and blocks the recruitment of the 43S ribosomal complex.[UniProtKB/Swiss-Prot Function]