

Product datasheet for **MR215750L4V**

Nars (NM_001142950) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nars (NM_001142950) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Nars
Synonyms:	3010001M15Rik; AA960128; ASNRS; C78150
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001142950
ORF Size:	1677 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR215750).
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_001142950.1 , NP_001136422.1
RefSeq Size:	2663 bp
RefSeq ORF:	1680 bp
Locus ID:	70223
UniProt ID:	Q8BP47
Cytogenetics:	18 E1



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Gene Summary:

Catalyzes the attachment of asparagine to tRNA(Asn) in a two-step reaction: asparagine is first activated by ATP to form Asn-AMP and then transferred to the acceptor end of tRNA(Asn). In addition to its essential role in protein synthesis, acts as a signaling molecule that induces immune response in a CCR3-dependent manner.[UniProtKB/Swiss-Prot Function]