

Product datasheet for **MR204296L4V**

Eif2b1 (NM_145371) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Eif2b1 (NM_145371) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Eif2b1
Synonyms:	26kD; D5Ertd406; D5Ertd406e; EIF2; EIF2BA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_145371
ORF Size:	915 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204296).
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_145371.4 , NP_663346.1
RefSeq Size:	2012 bp
RefSeq ORF:	918 bp
Locus ID:	209354
UniProt ID:	Q99LC8
Cytogenetics:	5 63.67 cM


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Gene Summary:

This gene encodes the alpha subunit of the eukaryotic translation initiation factor complex 2B (eIF2B). The eIF2B complex is a heterodecamer comprised of two molecules each of alpha, beta, gamma, delta and epsilon subunits. The eIF2B complex is a critical regulator of protein synthesis acting as the guanine nucleotide exchange factor for eIF2 to enable the formation of ternary complex that is required for the initiation of mRNA translation. [provided by RefSeq, Aug 2015]