

Product datasheet for **MR202420L4V**

Grb2 (NM_008163) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Grb2 (NM_008163) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Grb2
Synonyms:	AA408164; Ash
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008163
ORF Size:	651 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR202420).
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_008163.3 , NP_032189.1
RefSeq Size:	2624 bp
RefSeq ORF:	654 bp
Locus ID:	14784
UniProt ID:	Q60631
Cytogenetics:	11 80.91 cM



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Gene Summary:

The protein encoded by this gene binds the epidermal growth factor receptor and contains one SH2 domain and two SH3 domains. Its two SH3 domains direct complex formation with proline-rich regions of other proteins, and its SH2 domain binds tyrosine phosphorylated sequences. This gene is similar to the Sem5 gene of *C.elegans*, which is involved in the signal transduction pathway. Three alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Sep 2015]