

Product datasheet for **MR226153L4V**

Ireb2 (NM_022655) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ireb2 (NM_022655) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ireb2
Synonyms:	D9Ertd85e; Irp2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_022655
ORF Size:	2889 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226153).
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_022655.3 , NP_073146.2
RefSeq Size:	5808 bp
RefSeq ORF:	2892 bp
Locus ID:	64602
UniProt ID:	Q811J3
Cytogenetics:	9 29.81 cM



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Gene Summary:

RNA-binding protein that binds to iron-responsive elements (IRES), which are stem-loop structures found in the 5'-UTR of ferritin, and delta aminolevulinic acid synthase mRNAs, and in the 3' UTR of transferrin receptor mRNA. Binding to the IRE element in ferritin results in the repression of its mRNA translation. Binding of the protein to the transferrin receptor mRNA inhibits the degradation of this otherwise rapidly degraded mRNA.[UniProtKB/Swiss-Prot Function]