

Product datasheet for **MR221507L4V**

Secisbp2 (NM_029279) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Secisbp2 (NM_029279) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Secisbp2
Synonyms:	2210413N07Rik; 2810012K13Rik; SB; SBP2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_029279
ORF Size:	2577 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221507).
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_029279.1 , NP_083555.1
RefSeq Size:	2913 bp
RefSeq ORF:	2577 bp
Locus ID:	75420
Cytogenetics:	13 A5



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Gene Summary:

The incorporation of selenocysteine into a protein requires the concerted action of an mRNA element called a sec insertion sequence (SECIS), a selenocysteine-specific translation elongation factor and a SECIS binding protein. With these elements in place, a UGA codon can be decoded as selenocysteine. The gene described in this record encodes a nuclear protein that functions as a SECIS binding protein. Mutations in a similar gene in human have been associated with a reduction in activity of a specific thyroxine deiodinase, a selenocysteine-containing enzyme, and abnormal thyroid hormone metabolism. Alternate splicing results in multiple transcript variants. [provided by RefSeq, May 2015]