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Product datasheet for MR226660L4V

Zap70 (NM_009539) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Zap70 (NM_009539) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Zap70
Synonyms:	mrtle; mur; S; Srk; ZAP-; ZAP-70
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_009539
ORF Size:	1854 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226660).
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_009539.2, NP_033565.2
RefSeq Size:	2180 bp
RefSeq ORF:	1857 bp
Locus ID:	22637
UniProt ID:	P43404
Cytogenetics:	1 15.41 cM

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Gene Summary: This gene encodes a member of the protein tyrosine kinase family. The encoded protein is essential for development of T lymphocytes and thymocytes, and functions in the initial step of T lymphocyte receptor-mediated signal transduction. A mutation in this gene causes chronic autoimmune arthritis, similar to rheumatoid arthritis in humans. Mice lacking this gene are deficient in alpha-beta T lymphocytes in the thymus. In humans, mutations in this gene cause selective T-cell defect, a severe combined immunodeficiency disease characterized by a selective absence of CD8-positive T lymphocytes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]