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Product datasheet for MR224732L3V

Wasl (NM_001167745) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Wasl (NM_001167745) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Wasl
Synonyms:	2900021I12Rik; 3110031I02Rik; N-WASP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001167745
ORF Size:	579 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR224732).`
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_001167745.1, NP_001161217.1
RefSeq Size:	1304 bp
RefSeq ORF:	582 bp
Locus ID:	73178
Cytogenetics:	6 A3.1

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Gene Summary: Regulates actin polymerization by stimulating the actin-nucleating activity of the Arp2/3 complex. Involved in various processes, such as mitosis and cytokinesis, via its role in the regulation of actin polymerization. Together with CDC42, involved in the extension and maintenance of the formation of thin, actin-rich surface projections called filopodia. In addition to its role in the cytoplasm, also plays a role in the nucleus by regulating gene transcription, probably by promoting nuclear actin polymerization (By similarity). Binds to HSF1/HSTF1 and forms a complex on heat shock promoter elements (HSE) that negatively regulates HSP90 expression (PubMed:12871950). Plays a role in dendrite spine morphogenesis (PubMed:25851601).[UniProtKB/Swiss-Prot Function]