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Product datasheet for MR224671L4V

Plekho1 (NM_023320) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Plekho1 (NM_023320) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Plekho1
Synonyms:	2810052M02Rik; CKIP-1; Ckip1; JZA-20; Jza2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_023320
ORF Size:	1227 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR224671).`
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_023320.2, NP_075809.1
RefSeq Size:	1370 bp
RefSeq ORF:	1227 bp
Locus ID:	67220
UniProt ID:	Q9JIY0
Cytogenetics:	3 F2.1

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Gene Summary: Plays a role in the regulation of the actin cytoskeleton through its interactions with actin capping protein (CP). May function to target CK2 to the plasma membrane thereby serving as an adapter to facilitate the phosphorylation of CP by protein kinase 2 (CK2). Appears to target ATM to the plasma membrane. Appears to also inhibit tumor cell growth by inhibiting AKT-mediated cell-survival. Also implicated in PI3K-regulated muscle differentiation, the regulation of AP-1 activity (plasma membrane bound AP-1 regulator that translocates to the nucleus) and the promotion of apoptosis induced by tumor necrosis factor TNF. When bound to PKB, it inhibits it probably by decreasing PKB level of phosphorylation (By similarity). [UniProtKB/Swiss-Prot Function]