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Product datasheet for MR202572L1V

Chac1 (NM_026929) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Chac1 (NM_026929) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Chac1
Synonyms:	1810008K03Rik
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_026929
ORF Size:	672 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR202572).`
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_026929.2, NP_081205.1
RefSeq Size:	1583 bp
RefSeq ORF:	672 bp
Locus ID:	69065
UniProt ID:	Q8R3J5
Cytogenetics:	2 E5

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Gene Summary: Catalyzes the cleavage of glutathione into 5-oxo-L-proline and a Cys-Gly dipeptide. Acts specifically on glutathione, but not on other gamma-glutamyl peptides. Glutathione depletion is an important factor for apoptosis initiation and execution. Acts as a pro-apoptotic component of the unfolded protein response pathway by mediating the pro-apoptotic effects of the ATF4-ATF3-DDIT3/CHOP cascade (By similarity). Negative regulator of Notch signaling pathway involved in embryonic neurogenesis: acts by inhibiting Notch cleavage by furin, maintaining Notch in an immature inactive form, thereby promoting neurogenesis in embryos (PubMed:22445366).[UniProtKB/Swiss-Prot Function]