

Product datasheet for **MR227024L4V**

Dnajc3 (NM_008929) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Dnajc3 (NM_008929) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Dnajc3
Synonyms:	AA408985; AU067833; Dnajc3a; Dnajc3b; mp58; p58; p58IPK; Prkri
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008929
ORF Size:	1512 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227024).
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_008929.3 , NP_032955.2
RefSeq Size:	5190 bp
RefSeq ORF:	1515 bp
Locus ID:	100037258
UniProt ID:	Q91YW3
Cytogenetics:	14 E4



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Gene Summary:

Involved in the unfolded protein response (UPR) during endoplasmic reticulum (ER) stress. Acts as a negative regulator of the EIF2AK4/GCN2 kinase activity by preventing the phosphorylation of eIF-2-alpha at 'Ser-52' and hence attenuating general protein synthesis under ER stress, hypothermic and amino acid starving stress conditions (PubMed:25329545). Co-chaperone of HSPA8/HSC70, it stimulates its ATPase activity. May inhibit both the autophosphorylation of EIF2AK2/PKR and the ability of EIF2AK2 to catalyze phosphorylation of the EIF2A. May inhibit EIF2AK3/PERK activity (By similarity).[UniProtKB/Swiss-Prot Function]