OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR202557L4V

Dnajb9 (NM_013760) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Dnajb9 (NM_013760) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Dnajb9
Synonyms:	AA408011; AA673251; AA673481; AW556981; ERdj4; Mdg1; mDj7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_013760
ORF Size:	669 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR202557).`
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_013760.3, NP_038788.2
RefSeq Size:	1865 bp
RefSeq ORF:	669 bp
Locus ID:	27362
UniProt ID:	Q9QYI6
Cytogenetics:	12 B2

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Gene Summary: Co-chaperone for Hsp70 protein HSPA5/BiP that acts as a key repressor of the ERN1/IRE1-mediated unfolded protein response (UPR) (By similarity). J domain-containing co-chaperones stimulate the ATPase activity of Hsp70 proteins and are required for efficient substrate recognition by Hsp70 proteins (PubMed:11836248). In the unstressed endoplasmic reticulum, interacts with the luminal region of ERN1/IRE1 and selectively recruits HSPA5/BiP: HSPA5/BiP disrupts the dimerization of the active ERN1/IRE1 luminal region, thereby inactivating ERN1/IRE1 (By similarity). Also involved in endoplasmic reticulum-associated degradation (ERAD) of misfolded proteins (PubMed:22267725). Required for survival of B-cell progenitors and normal antibody production (PubMed:25222125).[UniProtKB/Swiss-Prot Function]