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Product datasheet for MR222469L4V

Dnajb2 (NM_020266) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Dnajb2 (NM_020266) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Dnajb2
Synonyms:	2700059H22Rik; Dnajb10; Hsj1; mDj8
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_020266
ORF Size:	777 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR222469).`
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_020266.2, NP_064662.2
RefSeq Size:	1881 bp
RefSeq ORF:	780 bp
Locus ID:	56812
UniProt ID:	Q9QYI5
Cytogenetics:	1 C4

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Gene Summary: Functions as a co-chaperone, regulating the substrate binding and activating the ATPase activity of chaperones of the HSP70/heat shock protein 70 family. In parallel, also contributes to the ubiquitin-dependent proteasomal degradation of misfolded proteins. Thereby, may regulate the aggregation and promote the functional recovery of misfolded proteins like HTT, MC4R, PRKN, RHO and SOD1 and be crucial for many biological processes. Isoform 1 which is localized to the endoplasmic reticulum membranes may specifically function in ER-associated protein degradation of misfolded proteins.[UniProtKB/Swiss-Prot Function]