

Product datasheet for **MR209980L4V**

Hspa9 (NM_010481) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Hspa9 (NM_010481) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Hspa9
Synonyms:	74kDa; Csa; Grp75; Hsc74; Hsp74; Hsp74a; Hspa9a; Mortalin; Mot-2; Mot2; Mthsp70; Pbp74
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010481
ORF Size:	2037 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209980).
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_010481.1 , NP_034611.2
RefSeq Size:	3067 bp
RefSeq ORF:	2040 bp
Locus ID:	15526
UniProt ID:	P38647
Cytogenetics:	18 18.8 cM



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Gene Summary:

Chaperone protein which plays an important role in mitochondrial iron-sulfur cluster (ISC) biogenesis (PubMed:26702583). Interacts with and stabilizes ISC cluster assembly proteins FXN, NFS1, NFS1 and ISCU (By similarity). Regulates erythropoiesis via stabilization of ISC assembly (PubMed:21123823). May play a role in the control of cell proliferation and cellular aging (PubMed:8454632).[UniProtKB/Swiss-Prot Function]