

## Product datasheet for **RC209403L4V**

### **HSP70-1B (HSPA1B) (NM\_005346) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	HSP70-1B (HSPA1B) (NM_005346) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HSP70-1B
Synonyms:	HSP70-1; HSP70-1B; HSP70-2; HSP70.1; HSP70.2; HSP72; HSPA1; HSX70
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005346
ORF Size:	1923 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209403).
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. <a href="#">More info</a>
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:	<a href="#">NM_005346.4</a>
RefSeq Size:	2551 bp
RefSeq ORF:	1926 bp
Locus ID:	3304
UniProt ID:	<a href="#">P08107</a>
Cytogenetics:	6p21.33
Domains:	HSP70
Protein Pathways:	Antigen processing and presentation, Endocytosis, MAPK signaling pathway, Spliceosome



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**MW:** 70.5 kDa

**Gene Summary:** This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins. [provided by RefSeq, Jul 2008]