

## Product datasheet for **RC201040L1V**

### Hsp22 (HSPB8) (NM\_014365) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Hsp22 (HSPB8) (NM_014365) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Hsp22
Synonyms:	CMT2L; DHMN2; E2IG1; H11; HMN2; HMN2A; HSP22
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_014365
ORF Size:	588 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201040).
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_014365.2</a>
RefSeq Size:	2056 bp
RefSeq ORF:	591 bp
Locus ID:	26353
UniProt ID:	<a href="#">Q9UJY1</a>
Cytogenetics:	12q24.23
Domains:	HSP20
Protein Families:	Druggable Genome, Protein Kinase



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**MW:** 21.6 kDa

**Gene Summary:** The protein encoded by this gene belongs to the superfamily of small heat-shock proteins containing a conservative alpha-crystallin domain at the C-terminal part of the molecule. The expression of this gene is induced by estrogen in estrogen receptor-positive breast cancer cells, and this protein also functions as a chaperone in association with Bag3, a stimulator of macroautophagy. Thus, this gene appears to be involved in regulation of cell proliferation, apoptosis, and carcinogenesis, and mutations in this gene have been associated with different neuromuscular diseases, including Charcot-Marie-Tooth disease. [provided by RefSeq, Jul 2008]