

## Product datasheet for **RC225671L4V**

### **DNAJB5 (NM\_001135005) Human Tagged ORF Clone Lentiviral Particle**

#### Product data:

|                                  |                                   |
|----------------------------------|-----------------------------------|
| <b>Product Type:</b>             | Lentiviral Particles              |
| <b>Symbol:</b>                   | DNAJB5                            |
| <b>Synonyms:</b>                 | Hsc40                             |
| <b>Mammalian Cell Selection:</b> | Puromycin                         |
| <b>Vector:</b>                   | pLenti-C-mGFP-P2A-Puro (PS100093) |
| <b>Tag:</b>                      | mGFP                              |
| <b>ACCN:</b>                     | NM_001135005                      |
| <b>ORF Size:</b>                 | 1260 bp                           |

**ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as(RC225671).

**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.

|                      |                                |
|----------------------|--------------------------------|
| <b>RefSeq:</b>       | <a href="#">NM_001135005.1</a> |
| <b>RefSeq ORF:</b>   | 1263 bp                        |
| <b>Locus ID:</b>     | 25822                          |
| <b>UniProt ID:</b>   | <a href="#">O75953</a>         |
| <b>Cytogenetics:</b> | 9p13.3                         |
| <b>MW:</b>           | 47 kDa                         |



**Gene Summary:**

This gene encodes a member of the DNAJ heat shock protein 40 family of co-chaperone proteins. The encoded protein contains an N-terminal DNAJ domain and a C-terminal substrate binding domain but lacks the cysteine-rich domain found in other DNAJ family members. In mice, a multi-protein complex containing this protein, thioredoxin 1, and histone deacetylase 4, serves as a master negative regulator of cardiac hypertrophy. [provided by RefSeq, Mar 2017]