

## Product datasheet for **RC202860L1V**

### **BAG3 (NM\_004281) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | BAG3 (NM_004281) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | BAG3   |
| Synonyms:                 | BAG-3; BIS; CAIR-1; MFM6   |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-Myc-DDK (PS100064)  |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_004281  |
| ORF Size:                 | 1725 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC202860).   |
| 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_004281.3</a>  |
| RefSeq Size:              | 2608 bp  |
| RefSeq ORF:               | 1728 bp  |
| Locus ID:                 | 9531   |
| UniProt ID:               | <a href="#">O95817</a>   |
| Cytogenetics:             | 10q26.11   |
| Domains:                  | WW, BAG  |
| Protein Families:         | Druggable Genome   |



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**MW:** 61.4 kDa

**Gene Summary:** BAG proteins compete with Hip for binding to the Hsc70/Hsp70 ATPase domain and promote substrate release. All the BAG proteins have an approximately 45-amino acid BAG domain near the C terminus but differ markedly in their N-terminal regions. The protein encoded by this gene contains a WW domain in the N-terminal region and a BAG domain in the C-terminal region. The BAG domains of BAG1, BAG2, and BAG3 interact specifically with the Hsc70 ATPase domain in vitro and in mammalian cells. All 3 proteins bind with high affinity to the ATPase domain of Hsc70 and inhibit its chaperone activity in a Hip-repressible manner. [provided by RefSeq, Jul 2008]