

## Product datasheet for **RC214061L2V**

### **BACH2 (NM\_021813) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | BACH2 (NM_021813) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | BACH2  |
| Synonyms:                 | BTBD25; IMD60  |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-mGFP (PS100071)   |
| Tag:                      | mGFP   |
| ACCN:                     | NM_021813  |
| ORF Size:                 | 2523 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC214061).   |
| 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_021813.1</a> , <a href="#">NP_068585.1</a>  |
| RefSeq Size:              | 9120 bp  |
| RefSeq ORF:               | 2526 bp  |
| Locus ID:                 | 60468  |
| UniProt ID:               | <a href="#">Q9BYV9</a>   |
| Cytogenetics:             | 6q15   |
| Domains:                  | BTB, BRLZ  |
| Protein Families:         | Druggable Genome, Transcription Factors  |

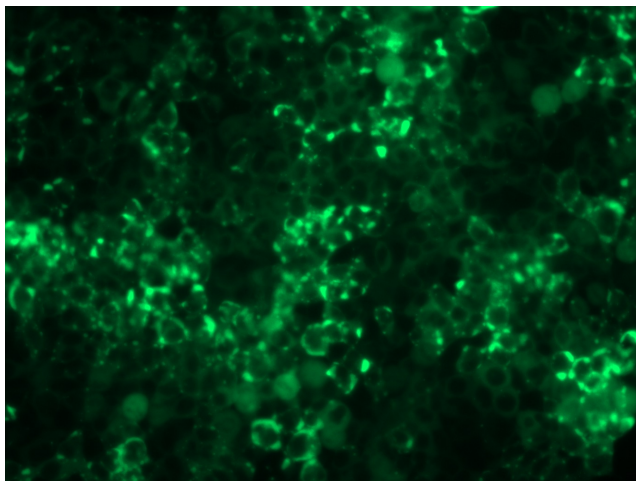


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MW: 92.4 kDa

**Gene Summary:** Transcriptional regulator that acts as repressor or activator (By similarity). Binds to Maf recognition elements (MARE) (By similarity). Plays an important role in coordinating transcription activation and repression by MAFK (By similarity). Induces apoptosis in response to oxidative stress through repression of the antiapoptotic factor HMOX1 (PubMed:17018862). Positively regulates the nuclear import of actin (By similarity). [UniProtKB/Swiss-Prot Function]

**Product images:**



[RC214061L2] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC214061L2V particle to overexpress human BACH2-mGFP fusion protein.