

## Product datasheet for **RC221463L1V**

### NGF (NM\_002506) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | NGF (NM_002506) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | NGF  |
| Synonyms:                 | Beta-NGF; HSAN5; NGFB  |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-Myc-DDK (PS100064)  |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_002506  |
| ORF Size:                 | 723 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC221463).   |
| 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_002506.2</a>  |
| RefSeq Size:              | 1052 bp  |
| RefSeq ORF:               | 726 bp   |
| Locus ID:                 | 4803   |
| UniProt ID:               | <a href="#">P01138</a>   |
| Cytogenetics:             | 1p13.2   |
| Protein Families:         | Druggable Genome, Secreted Protein   |
| Protein Pathways:         | Apoptosis, MAPK signaling pathway, Neurotrophin signaling pathway  |



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**MW:** 26.99 kDa

**Gene Summary:** This gene is a member of the NGF-beta family and encodes a secreted protein which homodimerizes and is incorporated into a larger complex. This protein has nerve growth stimulating activity and the complex is involved in the regulation of growth and the differentiation of sympathetic and certain sensory neurons. Mutations in this gene have been associated with hereditary sensory and autonomic neuropathy, type 5 (HSAN5), and dysregulation of this gene's expression is associated with allergic rhinitis. [provided by RefSeq, Jul 2008]