

Datasheet for ABIN5449112

## Human NGFB ORF Clone in Lentiviral Vector (GFP tag)

### Overview

Quantity:	10 µg
Gene:	NGFB
Species:	Human
Fusion tag:	GFP tag
Insert:	ORF
Vector:	Lentiviral Vector
Application:	Protein Expression (PEXP)

### Product Details

Purpose:	Lentiviral Vector with ORF clone of Human nerve growth factor (beta polypeptide) (NGF) , C-term GFP tagged
Brand:	LentiORF
Insert Length:	726 bp
Vector Backbone:	pLenti-C-mGFP
Promoter:	CMV Promoter
Bacterial Resistance:	Chloramphenicol
Expression Type:	Transient
Specificity:	Restriction Site: SgfI-RsrII
Characteristics:	<p>mGFP tagged, C-terminal</p> <p>Broad cell spectrum: Lentivirus infect most cells, dividing &amp; non-dividing, easy-to-transfect &amp; hard-to-transfect cells.</p> <p>High transduction efficiency</p> <p>Convenience: Minimal need for optimization.</p>

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## Product Details

Safety: 3rd generation system with improved biosafety.

Components: 10 µg of lyophilized plasmid

## Target Details

Gene: NGFB

Alternative Name: nerve growth factor (beta polypeptide) (NGF) ([NGFB Products](#))

Background: 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.

NCBI Accession: [NM\\_002506](#), [NP\\_002497](#)

## Application Details

Application Notes: Ideal For Tracking the over-expressed protein in tranfected cells

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Storage: 4 °C/-20 °C

## Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)