

Product datasheet for RC221463L3

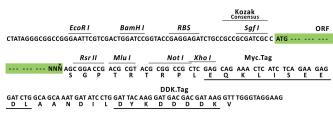
NGF (NM_002506) Human Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	NGF (NM_002506) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	NGF
Synonyms:	Beta-NGF; HSAN5; NGFB
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221463).
Restriction Sites:	SgfI-RsrII
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf1 ORF Rsr II GCG ATC GC ATG NNN AGC GGA CCG



* The last codon before the Stop codon of the ORF.

ACCN: ORF Size: NM_002506 723 bp



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Serigene NGF (NM_002506) Human Tagged Lenti ORF Clone – RC221463L3	
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
	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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM 002506.2</u>
RefSeq Size:	1052 bp
RefSeq ORF:	726 bp
Locus ID:	4803
UniProt ID:	<u>P01138</u>
Cytogenetics:	1p13.2
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Apoptosis, MAPK signaling pathway, Neurotrophin signaling pathway
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]

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