

Product datasheet for **RC214226L4V**

Neurotrophin 3 (NTF3) (NM_002527) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Neurotrophin 3 (NTF3) (NM_002527) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Neurotrophin 3
Synonyms:	HDNF; NGF-2; NGF2; NT-3; NT3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002527
ORF Size:	771 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214226).
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. More info
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:	NM_002527.3
RefSeq Size:	1182 bp
RefSeq ORF:	774 bp
Locus ID:	4908
UniProt ID:	P20783
Cytogenetics:	12p13.31
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	MAPK signaling pathway, Neurotrophin signaling pathway



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MW: 29.4 kDa

Gene Summary: The protein encoded by this gene is a member of the neurotrophin family, that controls survival and differentiation of mammalian neurons. This protein is closely related to both nerve growth factor and brain-derived neurotrophic factor. It may be involved in the maintenance of the adult nervous system, and may affect development of neurons in the embryo when it is expressed in human placenta. NTF3-deficient mice generated by gene targeting display severe movement defects of the limbs. The mature peptide of this protein is identical in all mammals examined including human, pig, rat and mouse. [provided by RefSeq, Jul 2008]

Product images:



[RC214226L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC214226L4V particle to overexpress human NTF3-mGFP fusion protein.