

## Product datasheet for **MR221101L4V**

### **Cntfr (NM\_001146080) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Cntfr (NM_001146080) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cntfr
Synonyms:	Cntfralpha
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001146080
ORF Size:	339 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR221101).
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_001146080.1</a> , <a href="#">NP_001139552.1</a>
RefSeq Size:	678 bp
RefSeq ORF:	342 bp
Locus ID:	12804
Cytogenetics:	4 21.81 cM



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**Gene Summary:**

This gene encodes the alpha subunit of the ciliary neurotrophic factor (CNTF) receptor that triggers the assembly of a trimolecular complex upon binding to CNTF, and initiate a downstream signaling process. The encoded preproprotein undergoes proteolytic processing to generate a glycosylphosphatidylinositol-linked cell surface protein. Mice lacking the encoded protein die shortly after birth and exhibit a reduction of motoneuron number at birth. The transgenic disruption of this gene specifically in the skeletal muscle followed by a peripheral nerve lesion impairs motor neuron axonal regeneration across the lesion site. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Nov 2015]