

## Product datasheet for **RC21333L4V**

### TrkC (NTRK3) (NM\_002530) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	TrkC (NTRK3) (NM_002530) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TrkC
Synonyms:	gp145(trkC); GP145-TrkC; TRKC
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_002530
ORF Size:	2475 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC213333).
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_002530.2</a>
RefSeq Size:	2818 bp
RefSeq ORF:	2478 bp
Locus ID:	4916
UniProt ID:	<a href="#">Q16288</a>
Cytogenetics:	15q25.3
Domains:	LRRNT, LRRCT, pkinase, TyrKc, LRR, S_TKc, ig, IG
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane



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**Protein Pathways:** Neurotrophin signaling pathway

**MW:** 92.8 kDa

**Gene Summary:** This gene encodes a member of the neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation and may play a role in the development of proprioceptive neurons that sense body position. Mutations in this gene have been associated with medulloblastomas, secretory breast carcinomas and other cancers. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2011]