

Product datasheet for RC205129L2V

OriGene Technologies, Inc.

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TrkB (NTRK2) (NM 001007097) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: TrkB (NTRK2) (NM_001007097) Human Tagged ORF Clone Lentiviral Particle

Symbol: TrkB

Synonyms: DEE58; EIEE58; GP145-TrkB; OBHD; trk-B; TRKB

Mammalian Cell

Selection:

None

Vector: pLenti-C-mGFP (PS100071)

Tag: mGFP

ACCN: NM_001007097

ORF Size: 1431 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC205129).

Sequence:

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.

RefSeg: NM 001007097.1

 RefSeq Size:
 7157 bp

 RefSeq ORF:
 1434 bp

 Locus ID:
 4915

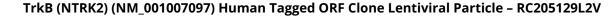
 UniProt ID:
 Q16620

Cytogenetics: 9q21.33

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways: MAPK signaling pathway, Neurotrophin signaling pathway





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MW: 53.1 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. Mutations in this gene have been associated with obesity and mood

 $disorders.\ Alternative\ splicing\ results\ in\ multiple\ transcript\ variants.\ [provided\ by\ RefSeq,\ May]$

2014]