

Product datasheet for **SC336282**

TrkB (NTRK2) (NM_001291937) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TrkB (NTRK2) (NM_001291937) Human Untagged Clone
Tag:	Tag Free
Symbol:	NTRK2
Synonyms:	DEE58; EIEE58; GP145-TrkB; OBHD; trk-B; TRKB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC336282 representing NM_001291937.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

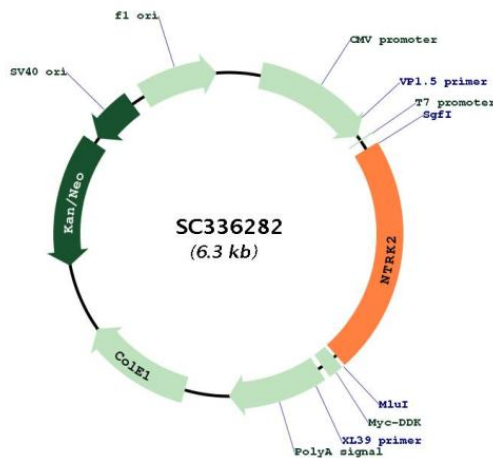
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Restriction Sites:

SgfI-MluI

Plasmid Map:



ACCN: NM_001291937

Insert Size: 1395 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. 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:	NM_001291937.1
RefSeq Size:	7568 bp
RefSeq ORF:	1395 bp
Locus ID:	4915
Cytogenetics:	9q21.33
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways:	MAPK signaling pathway, Neurotrophin signaling pathway
MW:	51.7 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (f) uses an alternate in-frame splice site in the central coding region, and lacks several 3' exons but contains an alternate 3' terminal exon and it thus differs in the 3' coding region and 3' UTR, compared to variant a. The encoded isoform (f) has a distinct C-terminus and is shorter than isoform a. Variants f and x both encode the same isoform (f).</p>