

Product datasheet for **SC330084**

TrkC (NTRK3) (NM_001243101) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TrkC (NTRK3) (NM_001243101) Human Untagged Clone
Tag:	Tag Free
Symbol:	NTRK3
Synonyms:	gp145(trkC); GP145-TrkC; TRKC
Vector:	pCMV6-Entry (PS100001)

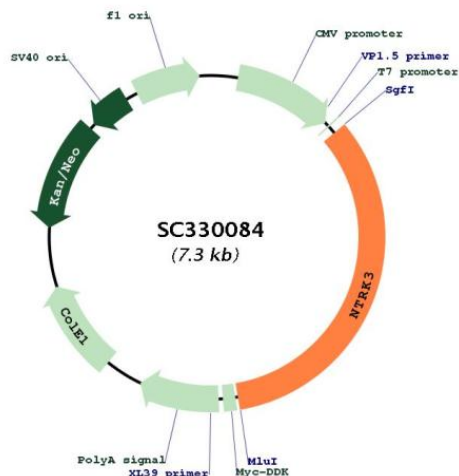


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Fully Sequenced ORF: >SC330084 representing NM_001243101.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001243101

Insert Size: 2454 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:

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_001243101.1](#)

RefSeq Size: 2938 bp

RefSeq ORF: 2454 bp

Locus ID: 4916

Cytogenetics: 15q25.3

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways: Neurotrophin signaling pathway

MW: 91.8 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]

Transcript Variant: This variant (4) lacks two alternate in-frame exons compared to variant 1. The resulting isoform (d) has the same N- and C-termini but lacks two alternate internal segments compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.