

Specifications:

Gene:	mNtrk1
Accession:	NP_001028296
Insert size:	2413bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

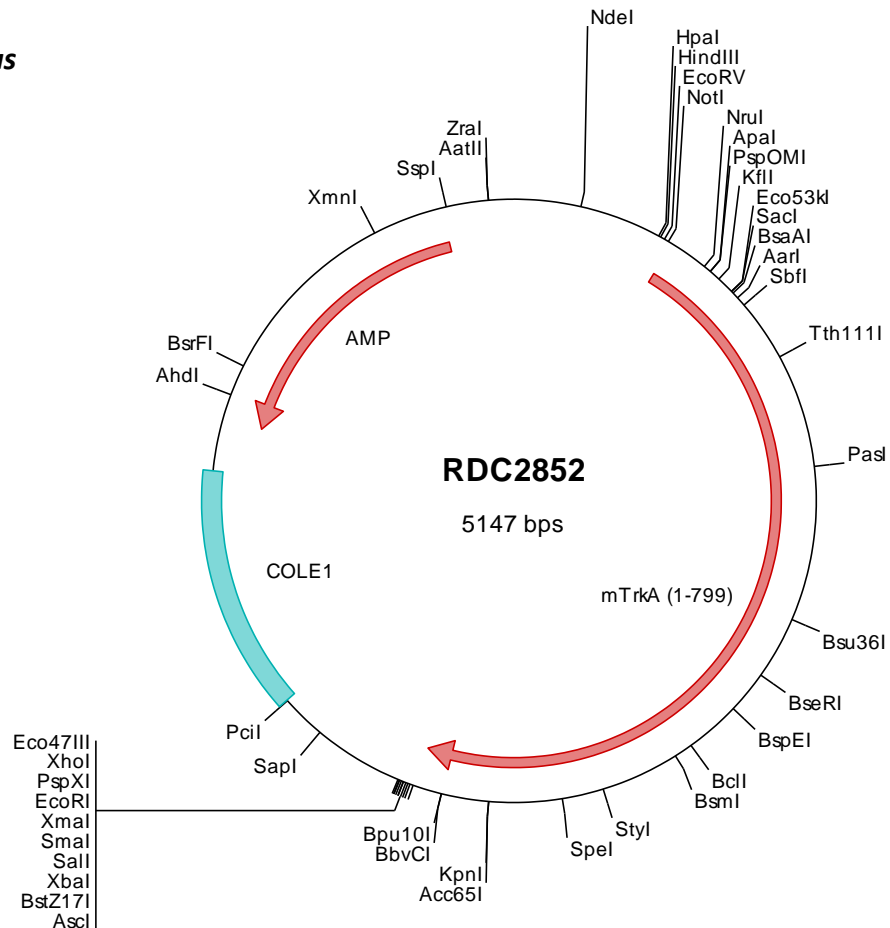
mTrkA cDNA Plasmid

Ntrk1 neurotrophic tyrosine kinase, receptor, type 1 [*Mus musculus* (house mouse)]

Also known as: Tkr; trk; TrkA; C80751

Summary:

TrkA is a member of the neurotrophic tyrosine kinase receptor family. It is a membrane-bound receptor that binds nerve growth factor (NGF) and phosphorylates itself and members of the MAPK pathway. TrkA is involved in differentiation and survival of neurons and in control of gene expression of enzymes involved in neurotransmitter synthesis. Mutations in TrkA have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, mental retardation, and cancer.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2852 Plasmid DNA Sequence

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1 tcgcgcgctt cggatgatgac ggtgaaaacc totgacacat gcagctcccg gagacgggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
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> RDC2852 Translated Insert Sequence

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501 sdtcvhhikr qdiilkwelg egafgkvfla ecynllndqk kmlvavkalk easenarqdf qreaelltml qhghivrrffg vcteggpilm vfeymrhgd
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