

Specifications:

Gene:	rManf
Accession:	AAI66980
Insert size:	553bp
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.

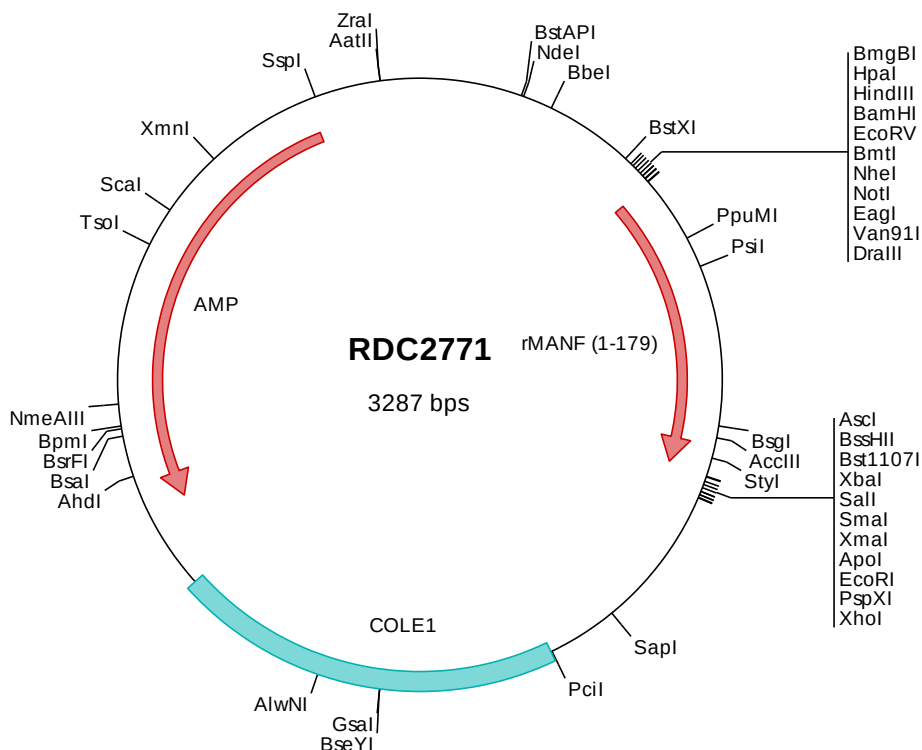
rMANF cDNA Plasmid

Manf mesencephalic astrocyte-derived neurotrophic factor
[*Rattus norvegicus* (Norway rat)]

Also known as: Armet

Summary:

MANF is localized in the endoplasmic reticulum (ER) and golgi and is also secreted. Reducing expression of MANF increases susceptibility to ER stress-induced death and results in cell proliferation. Activity of MANF is important in promoting the survival of dopaminergic neurons.



> RDC2771 Plasmid DNA Sequence

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1   tcgcgcgctt  cggatgatgac  ggtgaaaacc  totgacacat  gcagctcccc  gagacggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
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> RDC2771 Translated Insert Sequence

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