

Recombinant Mouse NGF- β

CATALOG #:	4304-5	5 μ g
	4304-20	20 μ g
	4304-100	100 μ g
	4304-1000	1 mg
LOT #:	_____	
SOURCE:	E. coli	
PURITY:	>98% by SDS-PAGE and HPLC analyses Endotoxin level is less than 0.1 ng per μ g of NGF- β	
FORM:	Lyophilized with no additives	

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml containing 1% HSA or BSA. The solution can be diluted into other aqueous buffers and stored at 4°C for 2-7 days or store at -20°C for future use.

STORAGE CONDITIONS:

The mouse NGF- β should be stored in working aliquots at -20°C. For long-term storage, it is recommended to add a carrier protein (0.1% HAS or BSA). Avoid freeze/thaw cycles.

DESCRIPTION:

Nerve growth factor-beta (NGF- β) is a potent neurotrophic factor that supports the growth and survivability of nerve and/or glial cells. The active recombinant mouse NGF- β is a homodimer, non-glycosylated chain containing two identical 120 amino acid subunits, and having a molecular weight of 13.5 kDa.

BIOLOGICAL ACTIVITY:

This NGF- β is fully biologically active when compared to standards. The ED50 as measured by the dose-dependent induction of human TF-1 cell proliferation is typically 0.1-1 ng/ml.

RESEARCH USE: For research use only! Not to be used in humans.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies