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Product Datasheet

Rat NGF protein, His tag (active), Unconjugated GTX00371-PRO

Artikelname	Rat NGF protein, His tag (active), Unconjugated
Artikelnummer	GTX00371-PRO
Hersteller Artikelnummer	GTX00371-pro
Alternativnummer	GTX00371-PRO-10
Hersteller	GeneTex
Kategorie	Proteine/Peptide
Applikation	FA
Spezies Reaktivität	Rat
Konjugation	Unconjugated
NCBI	310738
UniProt	P25427
Puffer	Reconstitute with 20mM Tris and 150mM NaCl to 0.1-1.0mg/ml. Do not vortex. Lyophilized from 20mM Tris, 150mM NaCl, 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose, ProClin 300.
Expression System	E. coli
Formulierung	Lyophilized powder
Sequenz	N-terminal His-Tag, Glu19~Gly241+LEHHHHHH (NP_001263984.1)

Anwendungsbeschreibung

Nerve growth factor (NGF) is a neurotrophic factor and neuropeptide primarily involved in the regulation of growth, maintenance, proliferation, and survival of certain target neurons. NGF is also involved in pathways besides those regulating the life cycle of neurons. a nerve growth factor (NGF)-dependent TF-1 subclone cell line suitable for determination of bioactivity of recombinant NGF (rhNGF), then TF-1 cells were seeded into triplicate wells of 96-well plates at a density of 5000 cells/well with 1% serum standard RPMI-1640 contain various concentrations of recombinant rat NGF. After incubated for 72h, cells were observed by inverted microscope and cell proliferation was measured by Cell Counting Kit-8 (CCK-8). Briefly, 10 μ l of CCK-8 solution was added to each well of the plate, then the absorbance at 450nm was measured using a microplate reader after incubating the plate for 1-4 hours at 37C. Proliferation of TF-1 cells after incubation with TF-1 for 72h observed by inverted microscope.