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## Product Datasheet

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

Article Name	Rat NGF protein, His tag (active), Unconjugated
Biozol Catalog Number	GTX00371-PRO
Supplier Catalog Number	GTX00371-pro
Alternative Catalog Number	GTX00371-PRO-10
Manufacturer	GeneTex
Category	Proteine/Peptide
Application	FA
Species Reactivity	Rat
Conjugation	Unconjugated
NCBI	<a href="#">310738</a>
UniProt	<a href="#">P25427</a>
Buffer	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
Form	Lyophilized powder
Sequence	N-terminal His-Tag, Glu19~Gly241+LEHHHHHH (NP_001263984.1)

Application Notes	<p>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 <math>\mu</math>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.</p>
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