

GFH33 Recombinant Human NT-4

Description

Neurotrophin-4 (NT-4) is an important member of the Nerve Growth Factor (NGF) family of proteins. Neurotrophins undergo paracrine and autocrine signaling to control neuronal survival, neuronal differentiation, and dendrite outgrowth. NT-4 is expressed ubiquitously and signals through the TrkB receptor tyrosine kinase.

Length	131 / 262 aa
Molecular Weight	14.0 / 28.1 kDa
Source	E. coli
Accession Number	P34130
Purity	≥95% determined by reducing and non-reducing SDS-PAGE

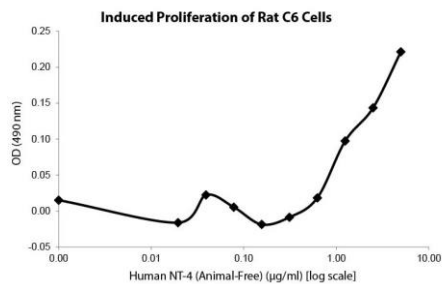
Specifications

Alternative Names	Migration Inhibitory Factor, GIF, phenylpyruvate tautomerase, glycosylation-inhibiting factor, L-dopachrome tautomerase
Biological Activity	Human NT-4 is fully biologically active when compared to standard. The activity is determined by the ability to induce rat C6 cells proliferation.
Endotoxin Level	≤1.00 EU/μg as measured by kinetic LAL
Formulation	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
AA Sequence	MGVSETAPAS RRGELAVCDA VSGWVTD RRT AVDLRGREVE VLGEVPAAGG SPLRQYFFET RCKADNAEEG GPGAGGGGCR GVDRRHVSE CKAKQSYVRA LTADAQGRVG WRWIRIDTAC VCTLLSRTGR A

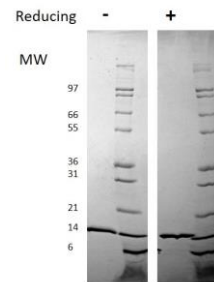
Preparation and Storage

Reconstitution	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
Stability and Storage	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.

Data



Induced proliferation of rat C6 cells assay for Human NT-4.



Non-reducing (-) and reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue. 1 μg of protein was loaded in each lane. Human NT-4 has a predicted Mw of 28.1 kDa (each monomer is 14 kDa).