



Recombinant Human NGF Protein (DAG337)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	A DNA sequence encoding the mature form of human β -NGF (NP_002497.2) (Ser 122-Arg 239) was expressed.
Species	Human
Purity	> 95 % as determined by SDS-PAGE
Conjugate	Unconjugated
Applications	SDS-PAGE, ELISA
Predicted N terminal	Ser 122
Molecular Weight	The mature recombinant human β -NGF consists of 118 amino acids and has a predicted molecular mass of 13.2 kDa. β -NGF exists as a non-disulfide linked homodimer in solution.
Endotoxin	< 1.0 EU per μ g of the protein as determined by the LAL method
Format	Lyophilized
Size	20 μ g, 100 μ g, 500 μ g, 1 mg
Buffer	Lyophilized from sterile 20mM NaAc, 150mM NaCl, pH 5.5
Preservative	None
Storage	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

BACKGROUND

Introduction	Nerve growth factor(NGF) is a small secreted protein that is important for the
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growth, maintenance, and survival of certain target neurons (nerve cells). It also functions as a signaling molecule. It is perhaps the prototypical growth factor, in that it is one of the first to be described. While "nerve growth factor" refers to a single factor, "nerve growth factors" refers to a family of factors also known as neurotrophins. Other members of the neurotrophin family that are well recognized include Brain-Derived Neurotrophic Factor (BDNF), Neurotrophin-3 (NT-3), and Neurotrophin 4/5 (NT-4/5).

Keywords

NGF; nerve growth factor (beta polypeptide); NGFB; HSN5; Beta-NGF; beta-nerve growth factor; nerve growth factor, beta subunit
