
Product Data Sheet

Product Name: NT 3 Human
Cat. No.: GP20781
Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Neurotrophic factor; Nerve growth factor-2; NGF-2; HDNF; NT-3.		
Amino Acid Sequence	YAEHKSHRGE YSVCDSESLW VTDKSSAIDI RGHQVTVLGE IKTGNPDKQ YFYETRCKEA RPKVNGCRGI DDKHWNSQCK TSQTYVRALT SENNKLVGWR WIRIDTSCVC ALSRKIGRT.		
Solubility	It is recommended to reconstitute the lyophilized Neurotrophin-3 in sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Lyophilized from 0.02% TFA.		

Introduction

NT3 a member of the neurotrophin family, that controls survival and differentiation of mammalian neurons. This protein is closely related to both nerve growth factor and brain-derived neurotrophic factor. It may be involved in the maintenance of the adult nervous system, and may affect development of neurons in the embryo when it is expressed in human placenta. NTF3-deficient mice generated by gene targeting display severe movement defects of the limbs. The mature peptide of this protein is identical in all mammals examined including human, pig, rat and mouse.

Biological Activity

The ED₅₀ as determined by the dose-dependent proliferation of C6 cells and is 3.6-5.4μg/ml.

Stability

Lyophilized NGF2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution NGF-2 should be stored at 4°C between 2-7

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

days and for future use below -18°C . For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Background

Neurotrophin-3 Human Recombinant produced in E.Coli is a non-glycosylated and non-covalently linked homodimer, containing 2x119 amino acid chains, having a total Mw of 27.2 kDa. The NT-3 is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA