


Human NT-3 Protein

Cat #:PRP1044

Size: 10 µg/50 µg/500 µg

Product Information

	Product Name: Human NT-3 Protein		
REF	Catalog Number: PRP1044	LOT	Lot Number: Refer to product label
	Purity: > 96% as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: E. coli
	Shipping: The product is shipped at ambient temperature.		

Background: Human Neurotrophin-3 (NT-3) is a member of the neurotrophin family, that controls the survival and differentiation of mammalian neurons. This protein is closely related to both nerve growth factor and brain-derived neurotrophic factor. NT-3 is a key mediator of neuronal development during the early neurogenic period. NT-3 is a novel target gene of POU3F2 and that the POU3F2/NT-3 pathway plays a role in the process of neuronal differentiation. NT-3 is capable of activating TrkB to induce anoikis resistance, and show that NT-3 is also a direct target of miR-200c. NT-3 is broadly expressed in the ovary, spleen, and other tissues. Diseases associated with NT-3 include Hypochondriasis and Demyelinating Disease.

Sequence : Amino acid sequence derived from the processed form of Human NT-3 (P20783-1) (Tyr139-Thr257) was expressed and purified

Protein length: The recombinant Human NT-3 consists of 119 amino acids with 6 ×His tag at N- terminus and has a predicted molecular mass of 16 kDa.

Biological Activity: Testing in progress.

Endotoxin: <0.1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile 20 mM Tris 10% Glycerol, pH 8.0.

Storage Instructions: Lyophilized Human NT-3 protein product should be stored desiccated below -20°C. Upon reconstitution, the protein should be stored at 4°C between 2-7 days and for future use below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized Human NT-3 protein

using the buffer we provided not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

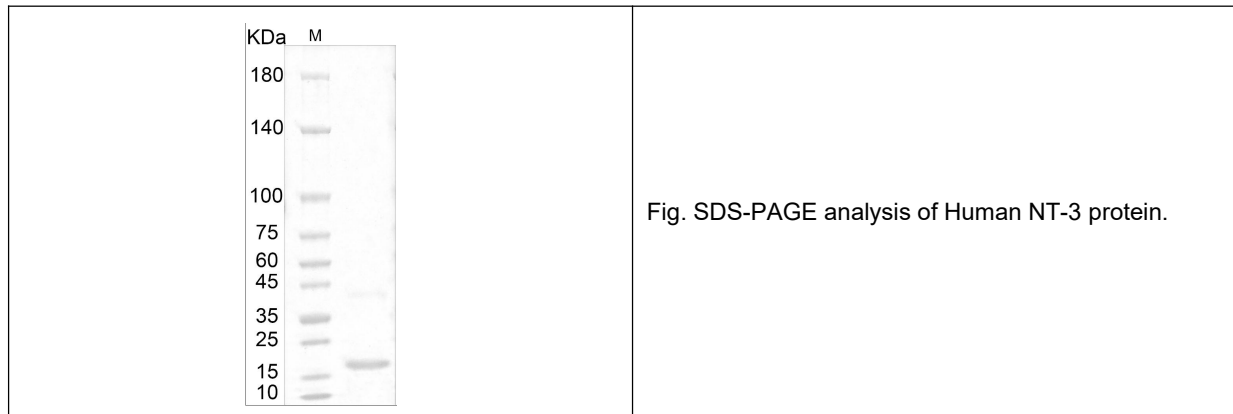


Fig. SDS-PAGE analysis of Human NT-3 protein.

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