

Neurotrophin-1 Human Recombinant

Item Number	rAP-2707
Synonyms	Cardiotrophin-Like Cytokine Factor 1, Novel Neurotrophin-1 , BSF3, CLC, CRLF1 Associated Cytokine-Like Factor 1, B-Cell Stimulating Factor 3, B-Cell-Stimulating Factor 3, BSF-3, NNT-1, NNT1, Neurotrophin-1/B-Cell Stimulating Factor-3, Cold-Induced Sweatn
Description	Neurotrophin-1 Human Recombinant (28-225) produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 199 amino acids and having a molecular mass of 22kDa. The NNT-1 is purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9UBD9
Amino Acid Sequence	MLNRTGDPGP GPSIQKTYDL TRYLEHQLRS LAGTYLNYLG PPFNEPDFNP PRLGAETLPR AT-VDLEVWRS LNDKLRLTQN YEAYSHLLCY LRGLNRQAAT AELRRSLAHF CTSLQGILLGS IAGVMAALGY PLPQPLPGTE PTWTPGPAHS DFLQKMDDFW LLKELQTWLW RSAKDFNRLK KKMQPPAAAV TLHL-GAHGF.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Neurotrophin-1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution NNT1 should be stored at 4°C between 2-7 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.
Formulation and Purity	NNT-1 protein was lyophilized from a 0.2µm filtered solution in Acetonitrile and TFA. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized NNT1 in sterile 18M-cm H2O not less than 0.5mg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50, as measured in a cell proliferation assay using human TF?1 cells transfected with human CNTF R?, is less than 15ng/ml.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**