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DATASHEET

Recombinant human NNT-1 protein

Product overview

Name	Recombinant human NNT-1 protein
Cat No	HB9446
Biological description	Cardiotrophin-like cytokine (CLC/ NNT-1) that belongs to the IL-6 family of cytokines.
	NNT1 is a trophic factor for motor neurons, a stimulator of ACTH release from corticotrophs and an inducer of IgE synthesis and B cell proliferation.
Species of origin	human
Alternative names	Neurotrophin-1 Human Recombinant, 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 Sweating Syndrome 2, B-Cell Stimulatory Factor 3, CISS2, NR6, CLCF1.
Purity	>95%
Description	Human recombinant Neurotrophin-1 protein

Biological Data

Application notes	The ED ₅₀ = ≤15ng/ml (as measured in a cell proliferation assay using TF-1 cells transfected with human CNTF-R)
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Solubility & Handling

Solubility overview	To make a stock solution, reconstitute in sterile 18MΩcm water at a concentration > 0.5mg/ml, which can then be diluted to make a working solution
Handling	<ul style="list-style-type: none">Solutions should be made in sterile deionized water (not less than 100 µg/ml). This solution can then be further diluted with other aqueous solutions.Following reconstitution, solutions may be stored at 4°C and are useable for around 2-7 days and for future use store at -18°C.For long term storage, a carrier protein (0.1% HSA or BSA) should be added to stock solutions. Solutions should be aliquoted into tightly sealed vials for storage at -20°C. Freeze-thaw cycles should be prevented.
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

Chemical Data

UniProt ID	Q9UBD9
Source	E. Coli.
Appearance	White lyophilized powder (sterile filtered & freeze-dried)
Formulation	Lyophilized from a 0.2µm filtered solution in acetonitrile and TFA

References

Pan-neurotrophin 1: a genetically engineered neurotrophic factor displaying multiple specificities in peripheral neurons in vitro and in vivo

Ilag LL *et al* (1995) Proc Natl Acad Sci U S A 92(2)

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Novel neurotrophin-1/B cell-stimulating factor-3: a cytokine of the IL-6 family

Senaldi G *et al* (1999) Proc Natl Acad Sci U S A 96(20)

PubMedID

10500198

Characterization of recombinant human brain-derived neurotrophic factor variants

Sunasara KM *et al* (1999) Arch Biochem Biophys 372(2)

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10600162
