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DATASHEET

Recombinant human NNT-1 protein

Product overview

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| 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. |
| Species of origin | 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. 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

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| Application notes | The $ED_{50} = \leq 15\text{ng/ml}$ (as measured in a cell proliferation assay using TF-1 cells transfected with human CNTF-R) |
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Solubility & Handling

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| Solubility overview | To make a stock solution, reconstitute in sterile 18M Ω cm 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 $\mu\text{g/ml}$). 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

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| Source | E. Coli. |
| Appearance | White lyophilized powder (sterile filtered & freeze-dried) |
| Formulation | Lyophilized from a 0.2 μm 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

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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)

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Characterization of recombinant human brain-derived neurotrophic factor variants

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

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