

Human NNT1 Recombinant Protein



RPPB0784

Product Information Protein Information

Product SKU:

RPPB0784

Accession:

Q9UBD9

Host:

Escherichia Coli.

Protein 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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

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 Sweating Syndrome 2, B-Cell Stimulatory Factor 3, CISS2, NR6, CLCF1.

Formulation:

NNT-1 protein was lyophilized from a 0.2µm filtered solution in Acetonitrile and TFA.

Purity:

Greater than 95.0% as determined by SDS-PAGE.

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.

Stability:

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.

Amino Acid Sequence:

MLNRTGDPGP GPSIQKTYDL TRYLEHQLRS LAGTYLNYLG PPFNEPDFNP PRLGAETLPR ATVDLEVVRS
LNDKLRILTQN YEAYSHLLCY LRGLNRQAAT AELRRSLAHF CTSLQGLLGS IAGVMAALGY PLPQPLPGTE
PTWTPGPAHS DFLQKMDDFW LLKELQTLWV RSAKDFNRLK KKMQPAAAV TLHLGAHGF.

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.