Active GMP Recombinant Human NTF3 Protein

Cat. No. NTF3-118HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NTF3, Tyr139-Thr257, was produced in Sf 21 (baculovirus)-derived under cGMP guidelines.
Species	Human
Source	Insect Cells
ProteinLength	139-257 a.a.
Form	Lyophilized from a 0.2 μm filtered solution in PBS.
Bio-activity	Measured in a cell proliferation assay using BaF mouse pro-B cells transfected with TrkB. The ED50 for this effect is 1-10 ng/mL. The specific activity of Recombinant Human NT-3 is approximately 2.1 x 10^3 units/μg, which is calibrated against recombinant human NT-3 Standard (NIBSC code: 98/718).
Molecular Mass	Predicted Molecular Mass: 13.7 (monomer) kDa
N-terminal Sequence Analysis	Tyr-Ala-Glu-His-Lys-Ser-His-Arg-Gly-Glu
Endotoxin	<0.10 EU per 1 μg of the protein by the LAL method.
Purity	>97%, by SDS-PAGE with silver staining.

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Storage	Avoid repeated freeze-thaw cycles. 12 months, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 100 µg/mL in PBS.
Quality Statement	Our GMP proteins are produced according to relevant sections of the following documents: WHO TRS, No. 822, 1992 Annex 1, Good Manufacturing Practices for Biological Products; USP Chapter 1043, Ancillary Materials for Cell, Gene and Tissue-Engineered Products and USP Chapter 92, Growth Factors and Cytokines Used in Cell Therapy Manufacturing.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

GENE INFORMATION

Gene Name	NTF3 neurotrophin 3 [Homo sapiens]
Official Symbol	NTF3
Synonyms	NTF3; neurotrophin 3; neurotrophin-3; NGF2; NT-3; NT3; HDNF; NGF-2
Gene ID	4908
mRNA Refseq	NM_001102654
Protein Refseq	NP_001096124
MIM	162660

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UniProt ID	P20783

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