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DATA SHEET

Neurotrophin-3 Mouse Recombinant

Item Number	rAP-2702
Synonyms	Neurotrophic factor, Nerve growth factor-2, NGF-2, HDNF, NT-3, Neurotrophin-3, Ntf3, Ntf-3, AI316846, AI835689, Nt3.
Description	Neurotrophin-3 Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 119 amino acids and having a molecular mass of 13.6kDa. The NT-3 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P20181
Amino Acid Sequence	YAEHKSHRGE YSVCDSESLW VTDKSSAIDI RGHQVTVLGE IKTGNSPVKQ YFYETRCKEA RPVKNGCRGI DDKHWNSQCK TSQTYVRALT SENNKLVGWR WIRIDTSCVC ALSRKIGRT.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized NGF2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution NGF-2 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	Lyophilized from 0.02% TFA. Greater than 97.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Neurotrophin-3 in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The activity, as determined by the dose-dependent proliferation of BaF3 cells transfected with the TrkB receptor, is typically in the range of 1-10 ng/ml, corresponding to a specific activity of 100,000-1,000,000 units/mg.
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

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