Hello Bio, Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@hellobio.com



DATASHEET

Recombinant mouse NT-3 protein

Product overview

Name Recombinant mouse NT-3 protein

Cat No HB9400 Species of origin mouse

Alternative names Recombinant Mouse Neurotrophin-3, Neurotrophic factor, Nerve growth factor-2, NGF-2, HDNF,

NT-3, Neurotrophin-3, Ntf3, Ntf-3, Al316846, Al835689, Nt3.

Purity >97%

Description Recombinant mouse Neurotrophin-3 protein

Biological Data

Application notes The ED₅₀ = ~ 1-10 ng/ml (determined by the dose-dependent proliferation of BaF3 cells transfected

with TrkB receptor), corresponding to a specific activity of 100,000-1,000,000 units/mg

Solubility & Handling

Storage instructions Solubility overview

-20°C

To make a stock solution, reconstitute in sterile $18M\Omega$ cm water at a concentration > 100μ g/ml, which can then be diluted to make a working solution

Handling

- 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.

Shipping Conditions Important Stable for ambient temperature shipping. Follow storage instructions on receipt.

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 P20181 Molecular Weight 27.5 Source E. Coli.

Appearance White lyophilized powder (sterile filtered & freeze-dried)

Formulation Lyophilized from 0.02% TFA

References

Neurotrophin-3 (NT-3) modulates early differentiation of oligodendrocytes in rat brain cortical cultures

Heinrich M et al (1999) Glia 28(3)

PubMedID 10559783

NT-3, like NGF, is required for survival of sympathetic neurons, but not their precursors

Francis N et al (1999) Dev Biol 210(2)

PubMedID 10357900

Early BDNF, NT-3, and NT-4 signaling events

Yuen EC et al (1999) Exp Neurol 159(1)

PubMedID 10486198