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DATASHEET

Recombinant mouse GDNF protein

Product overview

Name Recombinant mouse GDNF protein

Cat No HB6816 Species of origin mouse

Alternative names Recombinant Mouse Glial-Derived Neurotrophic Factor, ATF1, ATF2, HFB1-GDNF, GDNF.

Purity >98%

Description Mouse GDNF recombinant protein

Biological Data

Application notes The $ED_{50} = 0.8-0.12\mu g/ml$ (as determined by the dose-dependent proliferation of C6 cells)

Solubility & Handling

 $\label{eq:constitute} \textbf{Solubility overview} \qquad \qquad \text{To make a stock solution, reconstitute in sterile 18M} \\ \Omega cm \ water \ at a concentration > 100 \\ \mu g/ml, \ which \ determines the constitution of the c$

can then be diluted to make a working solution

• 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

Handling

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 P48540 Source E. Coli.

Appearance White lyophilized powder (sterile filtered & freeze-dried) **Formulation** Lyophilized with no additional buffer or additives

References

Glial cell line-derived neurotrophic factor (GDNF): a drug candidate for the treatment of Parkinson's disease

Grondin R *et al* (1998) J Neurol 245(11 Suppl 3) **PubMedID** 9808338

Biology of GDNF and its receptors - Relevance for disorders of the central nervous system

Ibanez CF et al (2017) Neurobiol Dis 97(Pt B) **PubMedID** 26829643

Glial cell line-derived neurotrophic factor (GDNF) induces neuritogenesis in the cochlear spiral ganglion via neural cell adhesion molecule (NCAM)

Euteneuer S *et al* (2013) Mol Cell Neurosci 54 **PubMedID** 23262364