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# **DATASHEET**

Recombinant human GMF-beta protein

### **Product overview**

Name Recombinant human GMF-beta protein

Cat No HB9349

**Biological description** Human glia maturation factor beta (GMFB) is part of the GMF subfamily of the larger actin-binding

protein ADF family. GMFB is crucial for the nervous system.

Species of origin human

Alternative names Recombinant Human Glia Maturation Factor Beta, Glia maturation factor beta, GMFB, GMF-B, GMF-

beta, GMF.

Purity >98%

**Description** Recombinant human glia maturation factor beta protein

## Solubility & Handling

 $\textbf{Solubility overview} \qquad \qquad \text{To make a stock solution, reconstitute in sterile } 18M\Omega \text{cm water at a concentration} > 100 \mu \text{g/ml, which}$ 

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

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 P60983 Source E. Coli.

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

**Formulation** Lyophilized after dialysis against PBS (20mM, pH7.4) and NaCl (130mM)

#### References

Axonal signals regulate expression of glia maturation factor-beta in Schwann cells: an immunohistochemical study of injured sciatic nerves and cultured Schwann cells

Bosch EP *et al* (1989) J Neurosci 9(10) **PubMedID**2795149

Glia maturation factor-\( \beta \): a potential therapeutic target in neurodegeneration and neuroinflammation

Fan J *et al* (2018) Neuropsychiatr Dis Treat 14 **PubMedID** 29445286

Expression of glia maturation factor beta mRNA and protein in rat organs and cells