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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

Solubility overview	To make a stock solution, reconstitute in sterile 18MΩcm water at a concentration > 100µg/ml, which can then be diluted to make a working solution
Handling	<ul style="list-style-type: none"><li>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.</li><li>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.</li><li>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.</li></ul>
Important	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-β: 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

