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

Zaheer A *et al* (1993) J Neurochem 60(3)

PubMedID	8436977