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## DATASHEET

### Recombinant rat GMF-beta protein

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#### Product overview

<b>Name</b>	Recombinant rat GMF-beta protein
<b>Cat No</b>	HB8247
<b>Species of origin</b>	rat
<b>Alternative names</b>	Recombinant Rat Glia Maturation Factor Beta, Glia maturation factor beta, GMFB, GMF-B, GMF-beta, GMF, C79176, A1851627, D14Ert630e, 3110001H22Rik, 3110001O16Rik.
<b>Purity</b>	>97%
<b>Description</b>	Recombinant rat glia maturation factor beta protein

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#### Solubility & Handling

<b>Solubility overview</b>	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
<b>Handling</b>	<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>
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

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#### Chemical Data

<b>UniProt ID</b>	Q63228
<b>Source</b>	E. Coli.
<b>Appearance</b>	White lyophilized powder (sterile filtered & freeze-dried)
<b>Formulation</b>	Lyophilized from a 0.2µm filtered concentrated (1.0mg/ml) solution in PBS (pH 7.4)

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#### 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**

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

**PubMedID** [8436977](#)

