

Rev03  
Update: Dec,14,2021

**DATASHEET**

# GMF- $\beta$ , Mouse

Cat. No.: Z02893

## Product Introduction

<b>Species</b>	Mouse
<b>Protein Construction</b>	<b>GMF-<math>\beta</math> (Ser2-His142) Accession # Q9CQ13</b>
<b>Purity</b>	> 97% as analyzed by SDS-PAGE > 97% as analyzed by HPLC
<b>Endotoxin Level</b>	< 1 EU/ $\mu$ g of protein by LAL method
<b>Expression System</b>	E. coli
<b>Theoretical Molecular Weight</b>	16.6 kDa
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution in PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
<b>Storage &amp; Stability</b>	Upon receiving, this product remains stable for up to 6 months at -70°C or -20°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. Avoid repeated freeze-thaw cycles.

## Background

**Target Background :** Glia maturation factor-beta(GMF- $\beta$ ) coded by GMFb gene at chromosome 14 in mouse, is identical to human GMF- $\beta$ , with the exception of two amino acid residues. It is a brain-specific protein that belongs to the actin-binding proteins (ADF) structural family, and plays an important role in the upstream regulation of excessive production and the releasing of proinflammatory cytokines/chemokines in brain cells, leading to the destruction of oligodendrocytes, the myelin forming cells, and neurons.

**Synonyms :** GMFB

**For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.**