

## Flogen<sup>®</sup> Recombinant Rat Glia Maturation Factor beta

(rRtGMF-β)

<b>Catalog Number:</b>	PGR0147-007
<b>Source:</b>	<i>Escherichia coli</i> .
<b>Molecular Weight:</b>	Approximately 16.6 kDa, a single non-glycosylated polypeptide chain containing 141 amino acids.
<b>Quantity:</b>	2μg/10μg/1000μg
<b>AA Sequence:</b>	SESLVVCDVA EDLVEKLRKF RFRKETHNAA IIMKIDKDKR LVVLDEELEG VSPDELKDEL PERQPRFIVY SYKYQHDDGR VSYPLCFIFS SPLGCKPEQQ MMYAGSKNKL VQTAELTKVF EIRNTEDLTE EWLREKLGFF H
<b>Purity:</b>	> 98 % by SDS-PAGE and HPLC analyses.
<b>Biological Activity:</b>	Data is not available.
<b>Appearance:</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Formulation:</b>	Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.
<b>Endotoxin:</b>	Less than 1 EU/μg of rRtGMF-β as determined by LAL method.
<b>Reconstitution:</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
<b>Storage:</b>	This lyophilized preparation is stable at 2-8 °C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -70 °C. Avoid repeated freeze/thaw cycles.
<b>Usage:</b>	For research, laboratory or further evaluation purposes. <b>NOT FOR HUMAN USE.</b>

### Rat Glia Maturation Factor beta

The glia maturation factor beta belongs to the actin-binding proteins ADF family, GMF subfamily. It contains an ADF-H domain, but the research of crystallography and NMR reveals that there are structures different between human and mouse ADFH domain. GMF-β is involved in the differentiation, maintenance, and regeneration of the nervous system. It also inhibition of proliferation of tumor cells.