

PrimeGene™ Recombinant Human Glia Maturation Factor beta
a biotechnne brand (rHuGMF-β)

PrimeGene Technical Data Sheet

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| Catalog Number: | 107-07 |
| Source: | <i>Escherichia coli</i> . |
| Molecular Weight: | Approximately 16.6 kDa, a single non-glycosylated polypeptide chain containing 141 amino acids. |
| Quantity: | 2μg/10μg/1000μg |
| AA Sequence: | SESLVVCDVA EDLVEKLRKF RFRKETNNA IIMKIDKDKR LVVLDEELEG ISPDELKDEL PERQPRFIVY SYKYQHDDGR VSYPLCFIFS SPVGCKPEQQ MMYAGSKNKL VQTAELTKVF EIRNTEDLTE EWLREKLGFF H |
| Purity: | > 98 % by SDS-PAGE and HPLC analyses. |
| Biological Activity: | Data Not Available. |
| Physical Appearance: | Sterile Filtered White lyophilized (freeze-dried) powder. |
| Formulation: | Lyophilized from a 0.2 μm filtered concentrated solution in 20 mM PB, pH 7.4, 130 mM NaCl. |
| Endotoxin: | Less than 1 EU/μg of rHuGMF-β as determined by LAL method. |
| Reconstitution: | 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. |
| Shipping: | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. |
| Stability & Storage: | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">● 12 months from date of receipt, -20 to -70 °C as supplied.● 1 month, 2 to 8 °C under sterile conditions after reconstitution.● 3 months, -20 to -70 °C under sterile conditions after reconstitution. |
| Usage: | This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE. |

Human 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 ADF-H domain. GMF-β is involved in the differentiation, maintenance, and regeneration of the nervous system. It also inhibition of proliferation of tumor cells.