

ChemWhat Recombinant Human Glia Maturation Factor beta
A brand under Watson (rHuGMF-β)

ChemWhat Technical Data Sheet (TDS)

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:	ChemWhat Limited in UK offers this branded product for research, development 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.