

Summary

Name	Glia maturation factor beta/GMFB
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/ μ g as determined by LAL test.
Construction	Recombinant Human Glia Maturation Factor Beta is produced by our E.coli expression system and the target gene encoding Met1-His142 is expressed with a 6His tag at the C-terminus.
Accession #	P60983
Host	E.coli
Species	Human
Predicted Molecular Mass	17.7 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 200mM NaCl, pH 8.0.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at \leq -70°C, stable for 6 months after receipt. Store at \leq -70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image





Background

Alternative Names	Glia maturation factor beta;GMF-beta; GMFB
Background	Glia maturation factor beta (GMFB) contains a ADF-H domain, which is a member of the actin-binding proteins ADF family, GMF subfamily. It is a nerve growth factor implicated in nervous system development, angiogenesis and immune function. GMFB causes differentiation of brain cells, stimulation of neural regeneration, and inhibition of proliferation of tumor cells. It is phosphorylated after phorbol ester stimulation, and is crucial for the nervous system. GMFB overexpression in astrocytes results in the increase of BDNF production. GMFB expression is increased by exercise, thus BDNF is important for exercise-induction of BDNF.

Note

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