9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

GMFB Mouse

Glia Maturation Factor Beta Mouse Recombinant
NTR0033

Product Overview

Name	GMFB Mouse
Description	
Glia Maturation Factor Beta Mouse Recombinant	
Accession (Primary)	Q9CQI3
Synonyms	
Glia maturation factor beta, GMFB, GMF-B, GMF-beta, GMF, C79176, AI851627, D14Ertd630e, 3110001H22Rik, 3110001O16Rik.	
Introduction	
GMFB is part of the GMF subfamily of the larger actin-binding protein ADF family. GMFB is phosphorylated after phorbol ester stimulation, and is crucial for the nervous system. GMFB causes brain cell differentiation, stimulates neural regeneration and inhibits tumor cell proliferation. 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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The GMF-beta protein was lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.	
Stability	
Lyophilized GMF-B although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GMF-beta should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 97.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
SESLVVCDVA EDLVEKLRKF RFRKETHNAA IIMKIDKDER LVVLDEELEG VSPDELKDEL PERQPRFIVY SYKYQHDDGR VSYPLCFIFS SPVGCKPEQQ MMYAGSKNKL VQTAELTKVF EIRNTEDLTE EWLREKLGFF H.	
Solubility	

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It is recommended to reconstitute the lyophilized GMFB in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

GMFB Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9CQI3)