

32-1296: rGMF b Recombinant Protein

Alternative Name : Glia maturation factor beta,GMFB,GMF-B,GMF-beta,GMF,C79176,AI851627,D14ErtD630e,3110001H22Rik,3110001O16Rik.

Description

Source : Escherichia Coli. Glia Maturation Factor-Beta (GMF-Beta) Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 141 amino acids and having a total molecular mass of 16.6kDa. GMF-Beta is purified by proprietary chromatographic techniques. 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.

Product Info

Amount : 10 µg
Purification : Greater than 97.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content : Lyophilized from a 0.2µm filtered concentrated (1.0mg/ml) solution in 1xPBS, pH 7.4.
Storage condition : Lyophilized GMFB although stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution GMFB should be stored at 4C between 2-7 days and for future use below -18C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid : SESLVVCDVA EDLVEKLRKF RFRKETHNAA IIMKIDKDKR LVVLDEELEG VSPDELKDEL PERQPRFIVY SYKYQHDDGR VSYPLCFIFS SPLGCKPEQQ MMYAGSKNKL VQTAELTKVF EIRNTEDLTE EWLREKLGFF H.

Application Note

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