Recombinant Human GMFB Protein

Catalog Number:PKSH030678

Note: Centrifuge before opening to ensure complete recovery of vial contents.

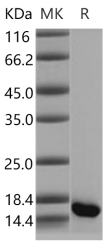
Description

Synonyms	Glia maturation factor beta;GMF-beta;GMF
Species	Human
Expression Host	E.coli
Sequence	Met 1-His142
Accession	NP_004115.1
Calculated Molecular Weight	16.7 kDa
Observed molecular weight	17 kDa
Tag	None

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

GMFB is a nerve growth factor which belongs to the actin-binding proteins ADF family, GMF subfamily. GMFB is involved in nervous system development, angiogenesis and immune function. It is especially crucial for the nervous system. GMFB causes brain cell differentiation, stimulates neural regeneration and inhibits tumor cell proliferation. It contains 1 ADF-H domain and is phosphorylated after phorbol ester stimulation. 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.

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