



Recombinant Protein Technical Manual

Recombinant Human GMFB Protein

RPES4203

Product Data:

Product SKU: RPES4203

Size: 50µg

Species: Human

Expression host: E. coli

Uniprot: NP_004115.1

Protein Information:

Molecular Mass: 16.7 kDa

AP Molecular Mass: 17 kDa

Tag:

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: Please contact us for more information.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C 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

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Glia maturation factor beta;GMF-beta; GMF

Immunogen Information:

Sequence: Met 1-His142

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.