

TECHNICAL DATA SHEET

Recombinant Human GMF- β (Carrier-free)

Catalog Number: 21-7108

RPx-Pro™ Recombinant Protein

PRODUCT INFORMATION

CONTENTS

Recombinant Human GMF- β (Carrier-free)

DESCRIPTION

Glia Maturation Factor beta (GMF- β) is a nerve growth factor and member of the actin-binding proteins ADF family. It is mainly localized in the brain, and functions in the growth and differentiation of neurons and glia. It plays a role in stimulating neural regeneration. GMF-beta has also been found to inhibit the proliferation of a variety of tumor cells in culture.

MOLECULAR MASS

Recombinant Human GMF-beta contains 141 amino acid residues and is a 16.5 kDa protein.

AMINO ACID SEQUENCE

SESLVVCDVA EDLVEKLRKF RFRKETNNA IIMKIDKDKR LVLDEELEG ISPDELKDEL PERQPRFIVY SYKYQHDDGR VSYPLCFIFS
SPVGCKPEQQ MMYAGSKNKL VQTAELTKVF EIRNTEDLTE EWLREKLGFF H

SOURCE

E. coli

APPLICATIONS

Bioassay

PURITY

98 %

STORAGE

-20°C

PROTEIN CONTENT

Verified by UV Spectroscopy and/or SDS-PAGE gel.

ENDOTOXIN LEVEL

Endotoxin level is <0.1 ng/ μ g of protein (<1 EU/ μ g).

AUTHENTICITY

Verified by N-terminal and Mass Spectrometry analyses (when applicable).

CROSS REACTIVITY

Mouse

BIOACTIVITY

Data not available.

RESEARCH AREAS

Differentiation, Neurobiology, Stem Cells

RECONSTITUTION

See Certificate of Analysis (COA) for lot specific reconstitution information.

REFERENCES

Lim R, Miller JF and Zaheer A. 1989. Proc Natl Acad Sci USA. 86(10): 3901-3905. Lim R, Zhong WX and Zaheer. 1990. Cell Regul. 1(10): 741-746. Zaheer A, Zaheer S, Sahu SK, Knight S, Khosravi H, Mathur SN and Lim R. 2007. J Neurochem. 101(2): 364-376.

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