



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Glial Filament Protein

Catalog No.
228-10525

Source
Bovine Spinal Cord

Synonyms

Glial Filament Protein, GFP.

Introduction

GFP is an intermediate filament. GFP and vimentin are linked to the same filament network; they are localized in the same filaments. mRNAs encoding the glial intermediate filament protein are spatially dispersed in the glial cell cytoplasm close to the location of the glial filaments.

Description

Ultra Pure Glial Filament Protein having a Molecular mass of 52 kDa.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The protein was lyophilized from a 1mg/ml solution containing 10mM sodium phosphate buffer pH 7.5, 6M urea, 2mM DTT, 1mM EDTA and 10mM methylammonium chloride.

Solubility

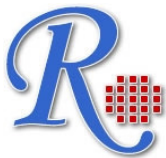
It is recommended to reconstitute the lyophilized GFP in sterile 18M Ω -cm H₂O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized GFP although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GFP 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.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Purity

Greater than 98.0% as determined by

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Applications

Protein standard in 1D and 2D SDS gelelectrophoresis
Immunoassays
Immunization.

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