



## RayBiotech, Inc.

3607 Parkway Lane suite 100  
Norcross, GA 30092  
Tel: 770-729-2992, 1-888-494-8555  
Fax: 770-206-2393  
Website: [www.raybiotech.com](http://www.raybiotech.com)  
Email: [info@raybiotech.com](mailto:info@raybiotech.com)

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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 $\Omega$ -cm H<sub>2</sub>O not less than 100 $\mu$ 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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