



## Product Datasheet

<b>Product Name</b>	Glial Filament Protein
<b>Cata No</b>	CB501137
<b>Source</b>	<i>Bovine Spinal Cord</i>
<b>Synonyms</b>	Glial Filament Protein, GFP.

### Description

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

### Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

### Purity

Greater than 98.0% as determined by:

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

### 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.

### Reconstitution

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 $^{\circ}$ C. Upon reconstitution GFP should be stored at 4 $^{\circ}$ C between 2-7 days and for future use below -18 $^{\circ}$ C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

**Please prevent freeze-thaw cycles.**

### Applications

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