

# Human Fibronectin (His Tag) recombinant protein



Catalog Number: 501582

## General Information

### Gene Name Synonym

Cold-insoluble globulin; Anastellin; Ugl-Y1; Ugl-Y2; Ugl-Y3

### Protein Construction

A DNA sequence encoding the Fragment 2 (Ser 607-Pro 1265) of human Fibronectin (CAD91166) was expressed with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by the ability of the immobilized protein to support the adhesion of NIH-3T3 mouse embryonic fibroblast cells. When  $5 \times 10^4$  cells/well are added to CD4 coated plates (1.25 $\mu$ g/mL and 100 $\mu$ L/well), approximately 50%-80% will adhere specifically after 30 minutes at 37°C.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ g of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Ser 607

## Molecular Mass

The secreted recombinant human Fibronectin 1 fragment2 (FN1.2) consists of 670 amino acids and has a calculated molecular mass of 73.2 kDa. As a result of glycosylation, rhFN1.2 migrates as an approximately 85-100 kDa band in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile PBS, pH 7.2

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

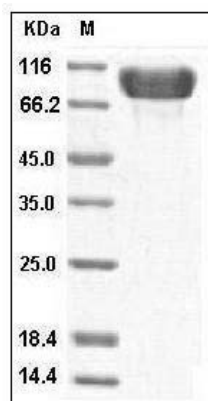
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human Fibronectin / Fibronectin Fragment 2 Protein (His Tag) SDS-PAGE