

## General Information

### Gene Name Synonym

Alpha-1-fetoprotein; Alpha-fetoglobulin

### Protein Construction

A DNA sequence encoding the human AFP (P02771) (Met 1-Val 609) was fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg 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

Arg 19

### Molecular Mass

The recombinant human AFP consists of 602

amino acids and has a predicted molecular mass of 67.9 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhAFP is approximately 65 kDa.

### Formulation

Lyophilized from sterile PBS, pH 7.4

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

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

## Usage Guide

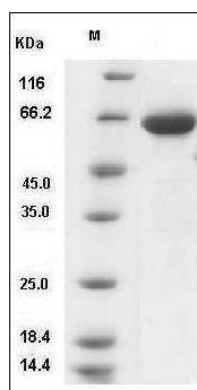
### Storage

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 AFP / alpha-fetoprotein Protein (His Tag)  
SDS-PAGE