

# Human FCN1/FCNA (His Tag) recombinant protein



Catalog Number: 500248

## General Information

### Gene Name Synonym

Collagen/fibrinogen domain-containing protein 1;  
Ficolin-A; Ficolin-alpha; M-ficolin

### Protein Construction

A DNA sequence encoding the human FCN1 (NP\_001994.2) precursor (Met 1-Ala 326) was expressed with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

1. Immobilized FCN1 at 10 µg/ml can bind biotinylated recombinant human Fetuin-A with a linear range of 16-2000 ng/ml.
2. Immobilized FCN1 at 10 µg/ml can bind biotinylated recombinant mouse Fetuin-A with a linear range of 16-2000 ng/ml.

### Purity

> 95 % 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

Ala 30

### Molecular Mass

The secreted recombinant human FCN1 comprises 308 amino acids with a predicted molecular mass of 33.6 kDa as estimated in SDS-PAGE under reducing conditions.

### 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

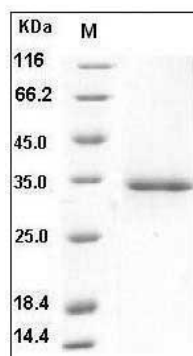
### Storage

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 Ficolin-1 / Ficolin-A / FCN1 Protein (His Tag) SDS-PAGE