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 humanFibronectin (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 $5 \times 10E4$ cells/well areadded to CD4 coated plates (1.25µg/mL and 100µL/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 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 $^{\circ}\mathrm{C}$

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 7.21. 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

KDa	M
116 -	-
66.2 -	
45.0	-
35.0	-
25.0	-
18.4	-
14.4	-

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

