

Human SFRP4 (His Tag) recombinant protein



Catalog Number: 504171

General Information

Gene Name Synonym

Frizzled protein, human endometrium

Protein Construction

A DNA sequence encoding the human sFRP4 (NP_003005.2) (Met 1-Val 346) was expressed with a C-terminal polyhistidine tag.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to inhibit Wnt3a induced alkaline phosphatase production by C3H10T 1/2 2A6 mouse embryonal fibroblast cells.

The ED₅₀ for this effect is typically 1-6 µg/mL in the presence of 20 ng/mL of Wnt3a.

Purity

> 90 % 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 22

Molecular Mass

The recombinant human sFRP4 consists of 336 amino acids after removal of the signal peptide and has a predicted molecular mass of 39 kDa. In SDS-PAGE under reducing conditions, it migrates with an apparent molecular mass of 55-60 kDa due to glycosylation.

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

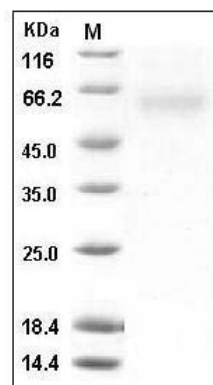
Storage

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 sFRP4 Protein (His Tag) SDS-PAGE