

Human BMP-2 (Fc Tag) recombinant protein



Catalog Number: 500392

General Information

Protein Construction

A DNA sequence encoding the mature form of human BMP2 (NP_001191.1) (Gln 283-Arg 396) was fused with the Fc region of human IgG1 at the C-terminus. The mature form sequences of human, mouse, rat, rhesus and canine BMP2 are identical.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind recombinant human Nog-Fc (Cat:503229) in a functional ELISA.
2. Measured by its ability to bind recombinant human ALK3-Fch (Cat:500360) in a functional ELISA.
3. Measured by its ability to bind recombinant mouse ALK3-Fch (Cat:504114) in a functional ELISA.
4. Measured by its ability to bind recombinant human BMPR-II-Fc (Cat:502741) in a functional ELISA.

Purity

> 95 % as determined by SDS-PAGE and SEC-HPLC Analysis.

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

Glu 20

Molecular Mass

The recombinant human BMP2 consists of 351 amino acids and has a predicted molecular mass of 39.5 kDa.

Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5

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

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

Usage Guide

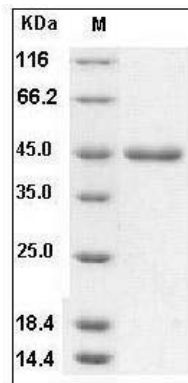
Storage

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 BMP-2 Protein (Fc Tag) SDS-PAGE