

# 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  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from

date of receipt at  $-70^{\circ}\text{C}$

### 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

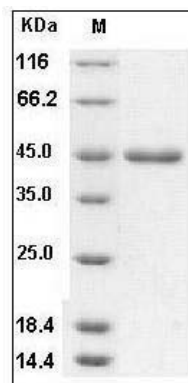
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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