

# Human Periostin (His Tag) recombinant protein



Catalog Number: 502224

## General Information

### Gene Name Synonym

Osteoblast-specific factor 2

### Protein Construction

A DNA sequence encoding the human POSTN isoform 3 (NP\_001129407.1) corresponding to amino acid (Met 1-Gln 781) was expressed with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to induce adhesion of ATDC5 mouse chondrogenic cells. When cells are added to POSTN-His coated plates (10µg/mL, 100µL/well), approximately >60% 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°C

### Predicted N terminal

Asn 22

### Molecular Mass

The recombinant human POSTN consists of 771 amino acids and has a predicted molecular mass of 86 kDa. In SDS-PAGE under reducing conditions, it migrates with an apparent molecular mass of 80 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

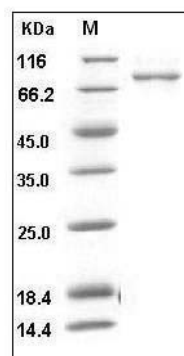
### Storage

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 Periostin / POSTN Protein (His Tag) SDS-PAGE