

# Recombinant Human Periostin/PN/POSTN Protein

Catalog No.: RP01748 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	10631	Q15063

### Tags

C-6His

### Synonyms

PN; OSF2; OSF-2; PDLPOSTN;POSTN

## Product Information

Source	Purification
HEK293 cells	

Calculated MW	Observed MW
91.80 kDa	100-110 kDa

### Endotoxin

< 1EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

Periostin ( POSTN ), also known as OSF2 (osteoblast specific factor 2), is a heterofunctional secreted extracellular matrix (ECM) protein comprised of four fasciclin domains that promotes cellular adhesion and movement, as well as collagen fibrillogenesis. Postn is frequently overexpressed in various types of human cancers, stimulating metastatic growth by promoting cancer cell survival, invasion and angiogenesis, and can be a useful marker to predict the behavior of cancer.

## Basic Information

### Description

Recombinant Human Periostin/PN/POSTN Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Asn22-Gln836) of human Periostin/PN/POSTN (Accession #NP\_006466.2) fused with a 6×His tag at the C-terminus.

### Bio-Activity

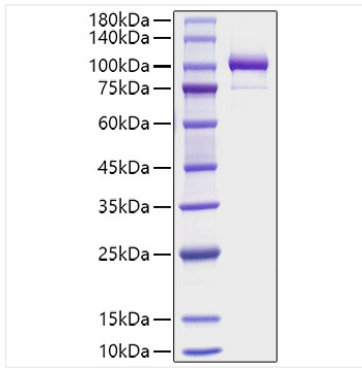
Measured by its ability to induce adhesion of ATDC5 mouse chondrogenic cells. Immobilized Recombinant Human Periostin/OSF-2 at 10 μg/mL (100 μL/well) induces >19% cell adhesion.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant human Periostin/PN/POSTN Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 100-110 kDa.