

Recombinant Human Periostin/PN/POSTN Protein

Catalog No.: RP01748

Sequence Information

Species **Gene ID**
Human 10631

Swiss Prot **Tags**
Q15063 C-6His

Synonyms

PN; OSF2; OSF-2; PDLPOSTN;
POSTN

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
 determined by
 SDS-PAGE.

Calculated MW **Observed MW**
91.80 kDa 100-110 kDa

Endotoxin

< 1 EU/μg of the protein by LAL
method.

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.

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.

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.

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

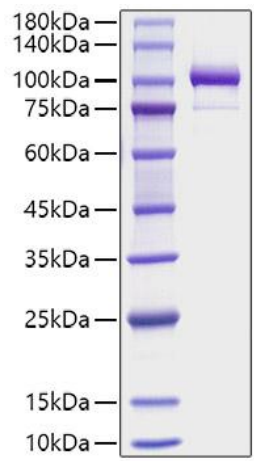
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Validation Data



Recombinant Human Periostin/PN/POSTN Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.