

Periostin/OSF-2, human recombinant

ALTERNATE NAMES: OSF-2, Periostin, Osteoblast Specific Factor 2, PN OSF-2, PDLPOSTN, POSTN, MGC119510, MGC119511, PN, RP11-412K4.1.

CATALOG #: 4204-10 10 µg
4204-1000 1 mg

SOURCE: E. coli

PURITY: >90% by SDS-PAGE

M.W.: ~75.0 kDa

PHYSICAL APPEARANCE: Solid. Filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4.

RECONSTITUTION:

It is recommended to add 0.1 M Acetate buffer pH 4.0 to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10 µg/ml. In higher concentrations the solubility of this antigen is limited. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

STORAGE CONDITIONS:

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

DESCRIPTION:

Periostin was originally isolated as a osteoblast-specific factor that functions as a cell adhesion molecule for preosteoblasts and is thought to be involved in osteoblast recruitment, attachment and spreading. Additionally, periostin expression has previously been shown to be significantly increased by both transforming growth factor β1 (TGF-β1) and bone morphogenetic protein (BMP-2). Abnormal expression of periostin is also linked to angiogenesis and metastasis in epithelial tumors. BioVision's Periostin is a His-Tagged fusion protein produced in E. coli, containing 648 amino acid residues of the human Periostin and 23 additional amino acid residues - HisTag, Xa - cleavage site.

USAGE: For Research Use Only! Not to be used in humans.

RELATED PRODUCTS:

BM BMP-2, Human recombinant (Cat. No. 4577-10, 50, 1000)
BMP-3, Human recombinant (Cat. No. 4573-10, 50, 1000)
BMP-4, Human recombinant (Cat. No. 4578-10, 50, 1000)
BMP-10, Human recombinant (Cat. No. 4581-20, 100, 1000)
BMP-11, Human recombinant (Cat. No. 4576-10, 50, 1000)
FGF-2, human recombinant (Cat. No. 4037-10, 50, 1000)
FGF-2, murine recombinant (Cat. No. 4038-10, 50, 1000)
FGF-2, murine recombinant (Cat. No. 4039-10, 50, 1000)
LIF, human recombinant (Cat. No. 4923-10, 50, 1000)
LIF, murine recombinant (Cat. No. 4924-10, 1000)