

Periostin/OSF-2, human recombinant protein
OSF-2, Periostin, Osteoblast Specific Factor 2, PN OSF-2, PDLPOSTN, POSTN,
MGC119510, MGC119511, PN,
Catalog # PBV10173r

Specification

Periostin/OSF-2, human recombinant protein - Product info

Primary Accession [Q15063](#)
Calculated MW 75 kDa kDa

Periostin/OSF-2, human recombinant protein - Additional Info

Gene ID 10631
Gene Symbol POSTN
Other Names
OSF-2, Periostin, Osteoblast Specific Factor 2, PN OSF-2, PDLPOSTN, POSTN, MGC119510,
MGC119511, PN, RP11-412K4.1.

Gene Source Human
Source E. coli
Assay&Purity SDS-PAGE; ≥90%
Assay2&Purity2 HPLC; ≥90%
Recombinant Yes
Sequence MGHSHHHHHHH HHSSGHIEGR HMRNNHYDKI
LAHSRIRGRD QGPNVCALQQ ILGTTKKYFS
TCKNWKYSI CGQKTTVLYE CCPGYMRMEG
MKGCPAVLPI DHVYGTLGIV GATTTQRYSD
ASKLREEIEG KGSFTYFAPS NEAWDNLDSD
IRRGLESNVN VELLNALHSH MINKRMLTKD
LKNGMIIPSM YNNLGLFINH YPNGVVTVNC
ARIIHGNQIA TNGVVHVIDR VLTQIGTSIQ
DFIEAEDDLS SFRAAAITSD ILEALGRDGH
FTLFAPTNEA FEKLPRGVLE
RFMGDKVASEALMKYHILNT LQCSESIMGG
AVFETLEGNT IEIGCDGDSI TVNGIKMVNK
KDIVTNNGVI HLIDQVLIPD SAKQVIELAG
KQQTTFDLV AQLGLASALR PDGEYTLAP
VNAFSDDTL SMVQRLLKLI LQNHILKVKV
GLNELYNGQI LETIGGKQLR VFVYRTAVCI
ENSCMEKGSK QGRNGAIHIF REIKPAEKS
LHEKLQDKR FSTFLSLLEA ADLKELLTQP
GDWTLFVPTN DAFKGMTSEE KEILIRDKNA
LQNIILYHLT PGVFIGKGFE PGVTNLIKTT
QGSKIFLKEV NDTLLVNEK SKESDIMTTN
GVIHVVDKLL YPADTPVGND QLEILNKLI
KYIQIKFVRG STFKEIPVTY Y.

Target/Specificity
Periostin/OSF-2

Application Notes

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.

Format

Lyophilized protein

Storage

-20°C; Solid. Filtered (0.4 µm) and lyophilized from 0.5 mg/ml in 0.05M Acetate buffer pH-4.

Periostin/OSF-2, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Periostin/OSF-2, human recombinant protein - Images**Periostin/OSF-2, human recombinant protein - Background**

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 β 1 (TGF- β 1) 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.

Periostin/OSF-2, human recombinant protein - References

Takeshita S., et al. Biochem. J. 294:271-278(1993).
Gillan L., et al. Cancer Res. 62:5358-5364(2002).
Bai Y., et al. Jpn. Clin. Med. 1:13-20(2010).
Yamada S., et al. Submitted (FEB-2005) to the EMBL/GenBank/DDBJ databases.
Dunham A., et al. Nature 428:522-528(2004).