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32-1670: Periostin HEK Recombinant Protein

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

Description

Source : HEK 293. Periostin Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (Asn22-Gln836) containing a total of 821 amino acids, having a calculated molecular mass of 91.8kDa and fused to a 6 aa His tag at C-Terminus. Periostin is a disulfide linked 90 kDa, 811 amino acid protein 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 beta-1(TGFbeta1) and bone morphogenetic protein (BMP-2). OSF-2 has a typical signal sequence, followed by a cysteine-rich domain, a fourfold repeated domain and a C-terminal domain. The fourfold repeated domain of OSF-2 shows homology with the insect protein fasciclinPeriostin mRNA is expressed in the developing mouse embryonic and fetal heart, and that it is localized to the endocardial cushions that ultimately divide the primitive heart tube into a four-chambered heart.

Product Info

Amount :	10 µg
Purification :	Greater than 38.0% as determined by SDS-PAGE.
Content :	Periostin was filtered (0.4µm) and lyophilized from 0.5mg/ml solution in phosphate buffered saline and 5% trehalose.
Storage condition :	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.
Amino Acid :	NNHYDKILAH SRIRGRDQGP NVCALQQILG TKKKYFSTCK NWYKKSICGQ KTTVLYECCP GYMRMEGMKG CPAVLPIDHV YGTLGIVGAT TTQRYSDASK LREEIEGKGS FTYFAPSNEA WDNLDSDIRR GLESNVNVEL LNALHSHMIN KRMLTKDLKN GMIIPSMYNN LGLFINHYPN GVVTVNCARI IHGNQIATNG VVHVIDRVLT QIGTSIQDFI EAEDDLSSFR AAAITSDILE ALGRDGHFTL FAPTNEAFEK LPRGVLERIM GDKVASEALM KYHILNTLQC SESIMGGAVF ETLEGNTIEI GCDGDSITVN GIKMVNKKDI VTNNGVIHLI DQVLIPDSAK QVIELAGKQQ TTFTDLVAQL GLASALRPDG EYTLLAPVNN AFSDDTLSMD QRLLKLILQN HILKVKVGLN ELYNGQILET IGGKQLRVFV YRTAVCIENS CMEKGSKQGR NGAIHIFREI IKPAEKSLHE KLKQDKRFST FLSLLEAADL KELLTQPGDW TLFVPTNDAF KGMTSEEKEI LIRDKNALQN IILYHLTPGV FIGKGFEPGV TNILKTTQGS KIFLKEVNDT LLVNELKSKE SDIMTTNGVI HVVDKLLYPA DTPVGNDQLL EILNKLIKYI QIKFVRGSTF KEIPVTVYTT KIITKVVEPK IKVIEGSLQP IIKTEGPTLT KVKIEGEPEF RLIKEGETIT EVIHGEPIIK KYTKIIDGVP VEITEKETRE ERIITGPEIK YTRISTGGGE TEETLKKLLQ EEVTKVTKFI EGGDGHLFED EEIKRLLQGD TPVRKLQANK KVQGSRRRLR EGRSQHHHHH H.

Application Note

It is recommended to add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Periostin is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.

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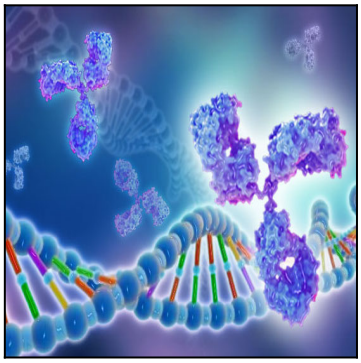

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