9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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Periostin Human, HEK

Periostin Human Recombinant, HEK
GRF0317

Product Overview

Name	Periostin Human, HEK
Description	
Periostin Human Recombinant, HEK	
Accession (Primary)	Q15063
Synonyms	
OSF-2, Periostin, Osteoblast Specific Factor 2, PN OSF-2, PDLPOSTN, POSTN, MGC119510, MGC119511, PN, RP11-412K4.1.	
Introduction	
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 fasciclin Periostin 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.	
Source	
HEK 293.	
Physical Appearance	
Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Periostin was filtered (0.4 µm) and lyophilized from 0.5mg/ml solution in phosphate buffered saline and 5% trehalose.	
Stability	
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.	
Purity	
Greater than 38.0% as determined by SDS-PAGE.	
Amino acid sequence	

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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 EGRSQ HHHHH H .

Solubility

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.

Precautions

Periostin Human, HEK is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q15063)