

Product datasheet for PA514X

Periostin (His-tagged Fusion Protein) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Periostin (His-tagged Fusion Protein) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGHHHHHHHH</u> <u>HHSSGHIEGR</u> <u>HMRNNHYDKI</u> LAHSRIRGRD QGPNVCALQQ ILGTKKKYFS TCKNWKYSI CGQKTTVLYE CCPGYMRMEG MKGCPAVLPI DHVYGTGLIV GATTTQRYSD ASKLREEIEG KGSFTYFAPS NEAWDNLDS IRRGLESNVN VELLNALHSH MINKRMLTKD LKNGMIIIPSM YNNLGLFINH YPNGVVTVCN ARIIHGNQIA TNGVHVIDR VLTQIGTSIQ DFIEAEDDL SFRAAAITSD ILEALGRDGH FTLFAPTNEA FEKLPRGVLE RFMGDKVASE ALMKYHILNT LQCSSESIMGG AVFETLEGNT IEIGCDGDSI TVNGIKMVNK KDIVTNNGVI HLIDQVLIPD SAKQVIELAG KQQTTFDLV AQLGLASALR PDGEYTLAP VNNAFSDDTL SMVQRLLKLI LQNHILKVKV GLNELYNGQI LETIGGKQLR VFVYRTAVCI ENSCMEKGSK QGRNGAIHIF REIKPAEKS LHEKCLKQDKR FSTFLSLLEA ADLKELLTQP GDWTLFVPTN DAFKGMTSEE KEILIRDKNA LQNIILYHLT PGVFIGKGFE PGVTNILKTT QGSKIFLKEV NDTLLVNELK SKESDIMTTN GVIHVVDKLL YPADTPVGND QLLEILNKLI KYIQIKFVRG STFKEIPVTY Y
Tag:	His-tag
Predicted MW:	75 kDa
Concentration:	lot specific
Purity:	>90% pure by SDS-PAGE.
Buffer:	Presentation State: Purified State: Lyophilized (0.4 µm filtered) purified protein Buffer System: 0.05 M Acetate buffer pH4
Reconstitution Method:	Restore with 0.1M Acetate buffer pH4 to prepare a working stock solution of ~0.5 mg/ml.
Preparation:	Lyophilized (0.4 µm filtered) purified protein
Applications:	ELISA. Western Blot.



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Protein Description:	The Human OSF-2 is created as a recombinant protein with N-terminal fusion of HisTag. The Human OSF-2 His-Tagged Fusion Protein, produced in E. coli, is 75 kDa protein containing 648 amino acid residues of the human OSF-2 and 23 additional amino acid residues - HisTag, Xa - cleavage site (underlined).
Note:	Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Storage:	Store lyophilized protein (preferably in a desiccator) at -20°C and in aliquots at -80°C. Reconstituted protein can be stored at 4°C for a limited period of time and it does not show decline in activity after two weeks at 4°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001129406
Locus ID:	10631
UniProt ID:	Q15063 , A0A024RDT5
Cytogenetics:	13q13.3
Synonyms:	OSF-2; OSF2; PDLPOSTN; PN
Summary:	This gene encodes a secreted extracellular matrix protein that functions in tissue development and regeneration, including wound healing, and ventricular remodeling following myocardial infarction. The encoded protein binds to integrins to support adhesion and migration of epithelial cells. This protein plays a role in cancer stem cell maintenance and metastasis. Mice lacking this gene exhibit cardiac valve disease, and skeletal and dental defects. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015]
Protein Families:	Druggable Genome, Secreted Protein

Product images: