

Recombinant Human POSTN, His-tagged

Cat. No. POSTN-3695H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Total 671 AA. MW: 75 kDa (calculated). N-Terminal HisTag and Xa-cleavage site 23 AA (highlighted).
Species	Human
Source	E.coli
ProteinLength	22-669 aa
Description	POSTN is a protein that in humans is encoded by the POSTN gene. Its over-expression was reported in several types of cancer, most frequently in the environment of tumor cells.
Form	Filtered (0,4 µm) and lyophilized in 0.5 mg/mL in 0.05 M Acetate buffer pH4.
Research topic	Bone and cartilage metabolism; Cardiovascular disease; Cytokines and chemokines and related molecules
Purity	>90%
Reconstitution	Add 0.1M Acetate buffer pH4 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 10µg/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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	cell culture.
Applications	ELISA; Western blotting
Quality Control Test	BCA to determine quantity of the protein; SDS PAGE to determine purity of the protein
Sequences of amino acids	MGHHHHHHHH HHSSGHIEGR HMRNNHYDKI LAHSRIRGRD QGPNVCALQQ ILGTKKKYFS TCKNWKYSI CGQKTTVLYE CCPGYMRMEG MKGCPAVLPI DHVGTLGIV GATTTQRYSD ASKLREEIEG KGSFTYFAPS NEAWDNLDSD IRRGLESNVN VELLNALHSH MINKRMLTKD LKNGMIIPSM YNNLGLFINH YPNGVVTVNC ARIIHGNQIA TNGVVHVIDR VLTQIGTSIQ DFIEAEDDLS SFRAAAITSD ILEALGRDGH FTLFAPTNEA FEKLPRGVLE RFMGDKVASE ALMKYHILNT LQCSSESIMGG AVFETLEGNT IEIGCDGDSI TVNGIKMVNK KDIVTNNGVI HLIDQVLIPD SAKQVIELAG KQQTTFIDL AQLGLASALR PDGEYTLAP VNNAFSDDTL SMVQRLLKLI LQNHILKVKV GLNELYNGQI LETIGGKQLR VFVYRTAVCI ENSCMEKGSK QGRNGAIHIF REIKPAEKS LHEKLKQDKR FSTFLSLLEA ADLKELLTQP GDWTLFVPTN DAFKGMTSEE KEILIRDKNA LQNIILYHLT PGVFIGKGF PGVTNLIKTT QGSKIFLKEV NDTLLVNELK SKESDIMTTN GVIHVVDKLL YPADTPVGND QLEILNKLI KYIQUIFVRG STFKEIPVTY Y
Storage	Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after one week at 4°C.

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	POSTN periostin, osteoblast specific factor [Homo sapiens]
Official Symbol	POSTN
Synonyms	POSTN; periostin, osteoblast specific factor; PN; OSF2; OSF-2; PDLPOSTN; MGC119510; MGC119511; periostin; RP11-412K4.1; periostin; OTTHUMP00000018268; OTTHUMP00000018269; OTTHUMP00000018270; OTTHUMP00000018271; periostin isoform thy2; periostin isoform thy4; periostin isoform thy6; periostin isoform thy8; osteoblast-specific factor 2; periodontal ligament-specific periostin; osteoblast specific factor 2 (fasciclin I-like)
Gene ID	10631
mRNA Refseq	NM_006475
Protein Refseq	NP_006466
MIM	608777
UniProt ID	Q15063
Chromosome Location	13q13
Function	heparin binding