

Active Recombinant Full Length Human periostin Protein, His tagged

Cat. No. POSTN-13HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human Periostin/OSF-2 Protein with a C-terminal 6-His tag was expressed in Mouse myeloma cell line.
Species	Human
Source	Mouse myeloma cell
ProteinLength	1-836 aa
Description	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.
Tag	C-6xHis
Molecular Mass	91.7 kDa
N-terminal Sequence Analysis	Asn22

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Bio-Activity	Measured by its ability to induce adhesion of ATDC5 mouse chondrogenic cells. Immobilized Recombinant Human Periostin/OSF-2 at 10 µg/mL (100 µL/well) induces > 50% cell adhesion.
Endotoxin	< 1 EU/µg by LAL
Purity	> 90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie Blue Staining.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in Tris-Citrate and NaCl.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature.
Reference	<ol style="list-style-type: none"> 1. Liu, A.Y. et al. (2014) Matrix Biol. 37:150. 2. Gillan, L. et al. (2002) Cancer Res. 62:5358. 3. Takeshita, S. et al. (1993) Biochem. J. 294:271.

GENE INFORMATION

Gene Name	POSTN periostin [Homo sapiens (human)]
Official Symbol	POSTN
Synonyms	POSTN; periostin; PN; OSF2; OSF-2; PDLPOSTN; periostin; osteoblast specific factor 2 (fasciclin I-like); periodontal ligament-specific periostin; periostin, osteoblast specific factor
Gene ID	10631

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mRNA Refseq	NM_006475
Protein Refseq	NP_006466
MIM	608777
UniProt ID	Q15063

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