

Active Recombinant Rat periostin Protein, His tagged

Cat. No. Postn-05R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Rat Postn Protein (Asn24-Ser800) with a C-terminal 6-His tag was expressed in Human embryonic kidney cell.
Species	Rat
Source	HEK293
ProteinLength	24-800 aa
Description	Predicted to enable cell adhesion molecule binding activity; heparin binding activity; and metal ion binding activity. Involved in several processes, including bone regeneration; negative regulation of cell-substrate adhesion; and positive regulation of chemokine (C-X-C motif) ligand 2 production. Located in extracellular space and neuromuscular junction. Used to study congestive heart failure. Biomarker of artery disease (multiple); degenerative disc disease; end stage renal disease; periodontitis; and tendinitis. Orthologous to human POSTN (periostin).
Tag	C-6×His
Molecular Mass	87 kDa
N-terminal Sequence Analysis	Asn24
Bio-Activity	Measured by its ability to induce adhesion of ATDC5 mouse chondrogenic cells. 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

	ED50 for this effect is 0.6-3.6 µg/mL.
Endotoxin	< 0.10 EU/µg of the protein by the LAL method.
Purity	> 95%, 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 MES, NaCl and Brij-35.
Reconstitution	Reconstitute at 500 µg/mL in PBS.
Shipping	The product is shipped at ambient temperature.
Reference	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 [Rattus norvegicus (Norway rat)]
Official Symbol	Postn
Synonyms	Postn; periostin; Plf; periostin; periostin, osteoblast specific factor; periostin-like factor
Gene ID	361945
mRNA Refseq	NM_001108550
Protein Refseq	NP_001102020

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UniProt ID

D3ZAF5

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