

Recombinant Human periostin, osteoblast specific factor Protein, His&Flag tagged

Cat. No. POSTN-109H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Periostin/OSF-2 protein (Q15063) (Asn 22-Ala 631) with both His, Flag tag at the C-terminus was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	22-631aa
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. Induces cell attachment and spreading and plays a role in cell adhesion. Enhances incorporation of BMP1 in the fibronectin matrix of connective tissues, and subsequent proteolytic activation of lysyl oxidase LOX.
Tag	C-His&Flag
Molecular Mass	70.1 kDa

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Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 μg/mL in sterile water.

GENE INFORMATION

Gene Name	POSTN periostin, osteoblast specific factor [Homo sapiens (human)]
Official Symbol	POSTN
Synonyms	POSTN; periostin, osteoblast specific factor; periostin; OSF 2; PN; 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); OSF2; OSF-2; PDLPOSTN; RP11-412K4.1; MGC119510; MGC119511;
Gene ID	10631
mRNA Refseq	NM_001135934
Protein Refseq	NP_001129406

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MIM 608777

UniProt ID Q15063

Protein on SDS-
PAGE under
reducing (R)
condition.

