

## Recombinant Full Length Mouse Postn Protein, Isoform 2, Myc/DDK-tagged

Cat. No. Postn-5017M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length periostin, osteoblast specific factor (cDNA clone MGC:25368 IMAGE:4457222), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	1-811 a.a.
<b>Description</b>	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.
<b>Molecular Mass</b>	87 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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**Storage** Store at -80 centigrade after receiving vials.

**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Postn periostin, osteoblast specific factor [ *Mus musculus* (house mouse) ]

**Official Symbol** Postn

**Synonyms** Postn; periostin, osteoblast specific factor; p; Os; PN; Pe; OSF; PLF; Osf2; OSF-2; A1747096; A630052E07Rik; periostin; osteoblast specific factor 2 (fascin I-like); osteoblast-specific factor 2; periostin-like factor

**Gene ID** 50706

**mRNA Refseq** NM\_015784

**Protein Refseq** NP\_056599

**UniProt ID** Q62009

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