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

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
ProteinLength	1-811 a.a.
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.
Molecular Mass	87 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	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; AI747096; A630052E07Rik; periostin; osteoblast specific factor 2 (fasciclin 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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