

Recombinant Human POSTN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. POSTN-1440H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	POSTN MS Standard C13 and N15-labeled recombinant protein (NP_001129407) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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	87.1 kDa
AA Sequence	MIPFLPMFSLLLLLIVNPINANNHYDKILAHSRIRGRDQGPNVCALQQILGTKKKYFST CKNWYKKSICGQKTTVLYECCPGYMRMEGMKGCPAVLPIDHVYGTGIVGATTQ YSDASKLREEIEGKGSFTYFAPSNEAWDNLDSDIRRGLESNVNVELLNALHSHMINK RMLTKDLKNGMIIPSMYNNLGLFINHYPNGVVTVNCARIIHGNQIATNGVVHVIDRVLT QIGTSIQDFIEAEDDLSSFRAAAITSDILEALGRDGHFTLFAPTNEAFEKLPRGVLERIM GDKVASEALMKYHILNTLQCSSESIMGGAVFETLEGNTIEIGCDGDSITVNGIKMVNKK

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DIVTNGVIHLIDQVLIPDSAKQVIELAGKQQTTFDLVAQLGLASALRPDGEYTLAP
 VNNAFSDDTLSMDQRLKLILQNHILKVKVGLNELYNGQILETIGGKQLRVFVYRTAV
 CIENSCMEKGSKQGRNGAIHIFREIIPAEKSLHEKQDKRFSTFLSLLEAADLKELL
 TQPGDWTLFVPTNDAFKGMTSEEKEILIRDKNALQNIILYHLTPGVFIGKGFEPGVNTI
 LKTTQGSKIFLKEVNDTLLVNELKSKESDIMTTNGVIHVVDKLLYPADTPVGNDQLLEI
 LNKLIKYIQIKFVRGSTFKEIPVTVYRPTLTKVKIEGEPEFRLIKEGETITEVIHGEPIIKKY
 TKIIDGVPVEITEKETREERIITGPEIKYTRISTGGGETEETLKKLLQEDTPVRKLQANK
 KVQGSRRRLREGRSQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name POSTN periostin [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;

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Gene ID	10631
mRNA Refseq	NM_001135935
Protein Refseq	NP_001129407
MIM	608777
UniProt ID	Q15063
SDS-PAGE	