

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

MIPFLPMFSLLLLLIVNPINANNHYDKILAHSRIRGRDQGPNCALQQILGTKKKYFST
CKNWYKKSICGQKTTVLYECCPGYMRMEGMKGCPAVLPIDHVYGTGIVGATTTQR
YSDASKLREEIEGKGSFTYFAPSNEAWDNLDSDIRRGLESNVNVELLNALHSHMINK
RMLTKDLKNGMIIPSMYNNLGLFINHYPNGVVTVNCARIIHGNQIATNGVVHVIDRVLT
QIGTSIQDFIEAEDDLSSFRAAAITSDILEALGRDGHFTLFAPTNEAFEKLPKRVLERIM
GDKVASEALMKYHILNTLQCSSESIMGGAVFETLEGNTIEIGCDGDSITVNGIKMVNKK

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DIVTNGVIHLIDQVLIPDSAKQVIELAGKQQTTFDLVAQLGLASALRPDGEYTLAP
 VNNAFSDDTLSMDQRLKLLKLNHILKVKVGLNELYNGQILETIGGKQLRVFVYRTAV
 CIENSCMEKGSKQGRNGAIHIFREIIPAEKSLHEKQDKRFSTFLSLLEAADLKELL
 TQPGDWTLFVPTNDAFKGMTSEEKEILIRDKNALQNIILYHLTPGVFIGKGFEPGVTNI
 LKTTQGSKIFLKEVNDTLLVNELKSKESDIMTTNGVIHVVDKLLYPADTPVGNDQLEI
 LNKLIKYIQIKFVRGSTFKEIPVTVYRPTLTKVKIEGEPEFRLIKEGETITEVIHGEPPIKKY
 TKIIDGVPVEITEKETREERIITGPEIKYTRISTGGGETEETLKLLQEDTPVRKLQANK
 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;

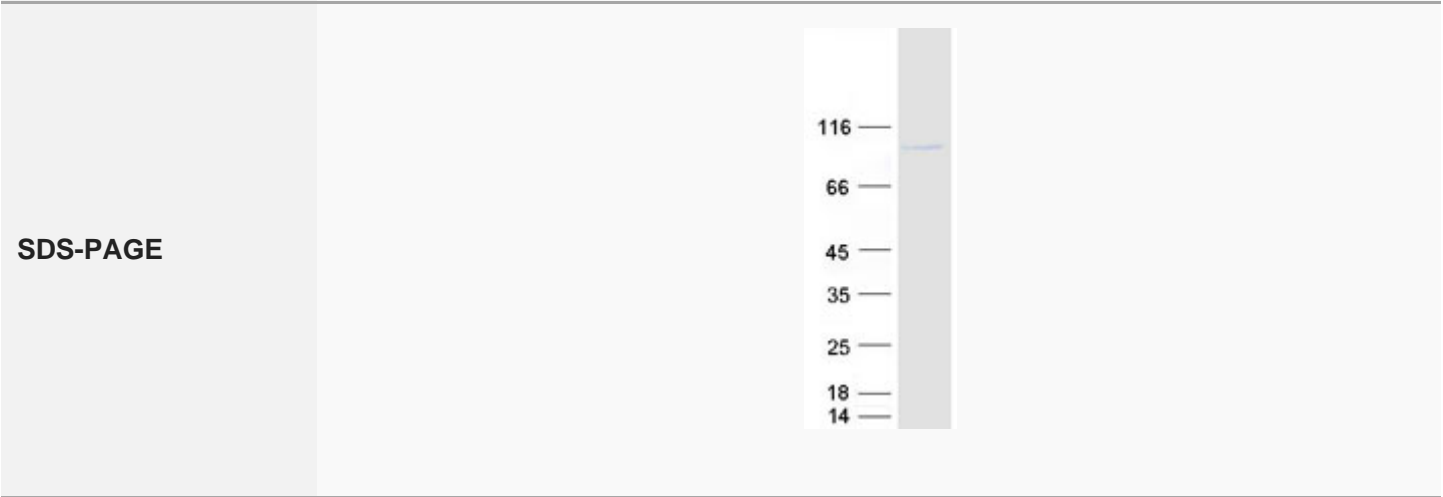
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Gene ID	10631
mRNA Refseq	NM_001135935
Protein Refseq	NP_001129407
MIM	608777
UniProt ID	Q15063



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