

Recombinant Full Length Human POSTN Protein, C-Flag-tagged

Cat. No. POSTN-677HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human POSTN Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	87.1 kDa
AA Sequence	MIPFLPMFSLLLLLIVNPINANNHYDKILAHSRIRGRDQGPNVCALQQILGTKKKYFST CKNWYKKSICG QKTTVLYECCPGYMRMEGMKGCPAVLPIDHVYGTGIVGATTTQ RYSASKLREEIEGKGSFTYFAPSNE AWDNLDSDIRRGLESNNVELLNALHSHMIN KRMLTKDLKNGMIIPSMYNNLGLFINHYPNGVVTVNCAR IIHGNQIATNGVVHVIDRV LTQIGTSIQDFIEAEDDLSSFRAAAITSDILEALGRDGHFTLFAPTNEAFE KLPRGVLE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

RIMGDKVASEALMKYHILNTLQCSESIMGGAVFETLEGNTIEIGCDGDSITVNGIKMV
 NKKD IVTNNGVIHLIDQVLIPDSAKQVIELAGKQQTTFDLVAQLGLASALRPDGEYTL
 LAPVNNAFSDDTLMS DQRLCLKILQNHILKVKGVLNELYNGQILETIGGKQLRVFVYR
 TAVCIENSCMEKGSQGRNGAIHIFRE IIKPAEKSLSHEKLKQDKRFSTFLSLLEAADL
 KELLTQPGDWTLFVPTNDAFKGMTSEEKEILIRDKNALQ NIILYHLTPGVFIGKGFEP
 GVTNILKTTQGSKIFLKEVNDTLLVNELKSKESDIMTTNGVIHVVDKLLYP ADTPVGN
 DQLEILNKLKIYIQIKFVRGSTFKEIPVTVYRPTLTQVKIEGEPEFRLIKEGETITEVIHG
 E PIIKKYTKIIDGVPVEITEKETREERIITGPEIKYTRISTGGGETEETLKKLLQEDTPVR
 KLQANKKVQG
 SRRRLREGRSQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Secreted Protein
Full Length	Full L.

GENE INFORMATION

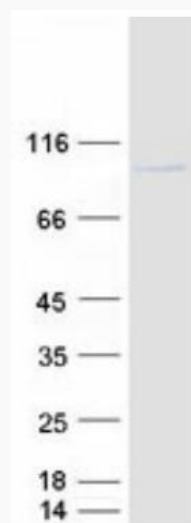
Gene Name POSTN periostin [Homo sapiens (human)]

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Official Symbol	POSTN
Synonyms	PN; OSF2; OSF-2; PDLPOSTN
Gene ID	10631
mRNA Refseq	NM_001135935.2
Protein Refseq	NP_001129407.1
MIM	608777
UniProt ID	Q15063



Coomassie blue staining of purified POSTN protein.

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