

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

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

## SPECIFICATION

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

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RIMGDKVASEALMKYHILNTLQCSESIMGGAVFETLEGNTIEIGCDGDSITVNGIKMV  
 NKKD IVTNNNGVIHLIDQVLIPDSAKQVIELAGKQQTTFDLVAQLGLASALRPDGEYTL  
 LAPVNNAFSDDTLSM DQRLKLILQNHILKVKVGLNELYNGQILETIGGKQLRVFVYR  
 TAVCIENSCMEKGSKQGRNGAIHIFRE IIKPAEKSLHEKCLKQDKRFSTFLSLLEAADL  
 KELLTQPGDWTLFVPTNDAFKGMTSEEKEILIRDKNALQ NIILYHLTPGVFIGKGFEP  
 GVTNILKTTQGSKIFLKEVNDTLLVNELKSKESDIMTTNGVIHVVDKLLYP ADTPVGN  
 DQLEILNKLIKIYIQIKFVRGSTFKEIPVTVYRPTLTKVKIEGEPEFRLIKEGETITEVIHG  
 E PIIKKYTKIIDGVPVEITEKETREERITGPEIKYTRISTGGGETEETLKKLLQEDTPVR  
 KLQANKKVQG  
 SRRRLREGRSQTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

## GENE INFORMATION

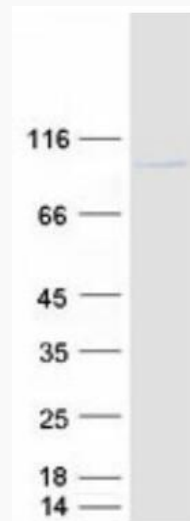
**Gene Name** POSTN periostin [ Homo sapiens (human) ]

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



Coomassie blue staining of purified POSTN protein.

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