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 QKTTVLYECCPGYMRMEGMKGCPAVLPIDHVYGTLGIVGATTTQ RYSDASKLREEIEGKGSFTYFAPSNE AWDNLDSDIRRGLESNVNVELLNALHSHMIN 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

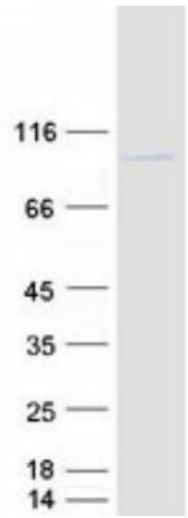
	RIMGDKVASEALMKYHILNTLQCSESIMGGAVFETLEGNTIEIGCDGDSITVNGIKMV NKKD IVTNNGVIHLIDQVLIPDSAKQVIELAGKQQTTFTDLVAQLGLASALRPDGEYTL LAPVNNAFSDDTLSM DQRLLKLILQNHILKVKVGLNELYNGQILETIGGKQLRVFVYR TAVCIENSCMEKGSKQGRNGAIHIFRE IIKPAEKSLHEKLKQDKRFSTFLSLLEAADL KELLTQPGDWTLFVPTNDAFKGMTSEEKEILIRDKNALQ NIILYHLTPGVFIGKGFEP GVTNILKTTQGSKIFLKEVNDTLLVNELKSKESDIMTTNGVIHVVDKLLYP ADTPVGN DQLLEILNKLIKYIQIKFVRGSTFKEIPVTVYRPTLTKVKIEGEPEFRLIKEGETITEVIHG 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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