

## Product datasheet for TP327934M

### Periostin (POSTN) (NM\_001135935) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human periostin, osteoblast specific factor (POSTN), transcript variant 3, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC227934 representing NM_001135935 Red=Cloning site Green=Tags(s)

MIPFLPMFSLLLLLLIVNPINANNHYDKILAHSRIRGRDQGPNCALQQILGTTKKYFSTCKNWKKSICG  
QKTTVLYECCPGYMRMEGMKGCPAVLPIDHVVYGLGIVGATTTQRYSDASKLREEIEGKGSFTYFAPSNE  
AWDNLDSDIRRGLESNVNVELLNALHSHMINKRMLTKDLKNGMIIPSMYNNLGLFINHYPNGVVTVNCAR  
IIHGNQIATNGVHVHIDRVLTQIGTSIQDFIEAEDDLSSFRAAAITSDILEALGRDGHFTLFAPTNEAFE  
KLPRGVLERIMGDKVASEALMKYHILNTLQCSIMGGAVFETLEGNTIEIGCDGDSITVNGIKMVNKKD  
IVTNNGVIIHLIDQVLIPDSAKQVIELAGKQQTTFDLVAQLGLASALRPDGEYTLAPVNNAFSDDTLISM  
DQRLKLLILQNHLKVKVGLNELYNGQILETIGGKQLRVFVYRTAVCIENSCMEKGSKQGRNGAIHFIRE  
IIPAEKSLHEKQDKRFSTFLSLEAADLKELLTQPGDWTLFVPTNDAFKGMTSEEKILIRDKNALQ  
NIILYHLTPGVFIGKGFEPGVTNLIKTTQGSKIFLKEVNDLLVNELKSKESDIMTTNGVIHVVDKLLYP  
ADTPVGNQDQLEILNKLIKYIQIKFVRGTFKEIPVTYRPTLTQVVKIEGEPEFRLIKEGETITEVIHGE  
PIIKKYTKIIDGVPVEITEKETREERIITGPEIKYTRISTGGGETEETLKKLLQEDTPVRKLQANKKVQ  
SRRRLREGRSQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	87.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_001129407](#)

**Locus ID:** 10631

**UniProt ID:** [Q15063](#)

**Cytogenetics:** 13q13.3

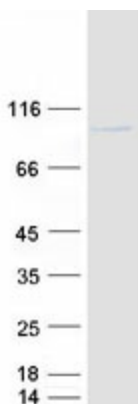
**RefSeq ORF:** 2343

**Synonyms:** OSF-2; OSF2; PDLPOSTN; PN

**Summary:** 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. [provided by RefSeq, Sep 2015]

**Protein Families:** Druggable Genome, Secreted Protein

### Product images:



Coomassie blue staining of purified POSTN protein (Cat# [TP327934]). The protein was produced from HEK293T cells transfected with POSTN cDNA clone (Cat# [RC227934]) using MegaTran 2.0 (Cat# [TT210002]).