

Product datasheet for PH327281

Periostin (POSTN) (NM_001135934) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	POSTN MS Standard C13 and N15-labeled recombinant protein (NP_001129406)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC227281
Predicted MW:	86.8 kDa
Protein Sequence:	>RC227281 representing NM_001135934 Red=Cloning site Green=Tags(s)

MIPFLPMFSLLLLLIVNPINANNHYDKILAHSRIRGRDQGPNVICALQQILGTKKKYFSTCKNWKKSICG
QKTTVL YECCPGYMRMEGMKGPCAVLPIDHVYGT LGIVGATTTQRYSDASKLREEIEGKGSFTYFAPSNE
AWDNLDSDIRRGLESNVNVELLNALHSHMINKRMLTKDLKNGMIIPSMYNNLGLFINHYPNGVVTVNCAR
IIHGNQIATNGVVHVIDRVL TQIGTSIQDFIEAEDDLSSFRAAAITSDILEALGRDGHFTL FAPTNEAFE
KLPRGVLERIMGDKVASEALMKYHILNLTQCSSESIMGGAVFETLEGNTIEIGCDGDSITVNGIKMVNKKD
IVTNNQVIHLIDQVLPDSAKQVIELAGKQOTTFDLVAQLGLASALRPDGEYTL LAPVNNAFSDDTLSM
DQRLKLLILQNHILKVKVGLNELYNGQILETIGGKQLRVFVYRTAVCIENSCMEKGSQGRNGAIHIFRE
IIKPAEKSLHEKLNKQDKRFSTFLSLEAADLKELLTQPGDWTLFVPTNDAFKGMTSEEKEILIRKDNALQ
NIILYHLTPGVFIGKGFEPGVNLTQGSKIFLKEVNDTLLVNELKSKESDITMTNGVIHVVDKLLYP
ADTPVGNQDLEILNKLKYIQIKFVRGSTFKEIPVTVYKPIIKKYTKIIDGVPVEITEKETREERIITG
PEIKYTRISTGGGETEETLKKLLQEEVTKVTKFIEGGDGLHFEDEEIKRLLQGDTPVRKLQANKKVVQGSR
RRLREGRSQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001129406



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RefSeq ORF: 2337

Synonyms: OSF-2; OSF2; PDLPOSTN; PN

Locus ID: 10631

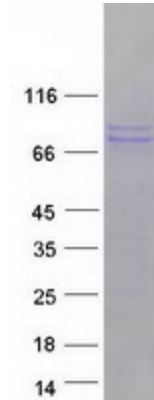
UniProt ID: [Q15063](#), [A0A024RDT5](#)

Cytogenetics: 13q13.3

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# [TP327281]). The protein was produced from HEK293T cells transfected with POSTN cDNA clone (Cat# [RC227281]) using MegaTran 2.0 (Cat# [TT210002]).