

Product datasheet for PH327934

Periostin (POSTN) (NM_001135935) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	POSTN MS Standard C13 and N15-labeled recombinant protein (NP_001129407)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC227934
Predicted MW:	87.1 kDa
Protein Sequence:	>RC227934 representing NM_001135935 Red=Cloning site Green=Tags(s)

MIPFLPMFSLLLLLIVNPINANNHYDKILAHSRIRGRDQGNVICALQQILGKTKKYFSTCKNWKKSICG
QKTTVL YECCPGYMRMEGMKGPCAVLPIDHVGTLGIVGATTTQRYSDASKLREEIEGKGSFTYFAPSNE
AWDNLDSDIRRGLESNVNVELLNALHSHMINKRMLTKDLKNGMIIPSMYNNLGLFINHYPNGVVTVNCAR
IIHGNQIATNGVVHVIDRVLTIQGTSIQDFIEAEDDLSSFRAAAITSDILEALGRDGHFTLFAPTNEAFE
KLPRGVLERIMGDKVASEALMKYHILNLTQCSSESIMGGAVFETLEGNTIEIGCDGDSITVNGIKMVNKKD
IVTNNQVIHLIDQVLIIPDSAKQVIELAGKQOTTFDLVAQLGLASALRPDGEYTLAPVNNAFSDDTLMS
DQRLKLLILQNHILKVKVGLNELYNGQILETIGGKQLRVFVYRTAVCIENSCMEKGSQGRNGAIHIFRE
IIKPAEKSLHEKLNKQDKRFSTFLSLEAADLKELLTQPGDWTLFVPTNDAFKGMTSEEKELIRDKNALQ
NIILYHLTPGVFIGKGFEPGVNLTQSKIFLKEVNDTLLVNELKSKESDITMTNGVIHVVDKLLYP
ADTPVGNQDQLEILNKLKYIQIKFVRGSTFKEIPVTVYRPTLTKVKIEGEPEFRLIKEGETITEVIHGE
PIIKKYTKIIDGVPVEITEKETREERIITGPEIKYTRISTGGGETEETLKKLLQEDTPVRKQLQANKKVQG
SRRRLREGRSQ

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_001129407



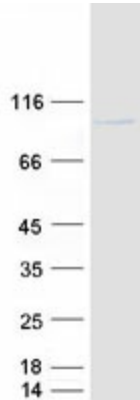
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RefSeq ORF: 2343
Synonyms: OSF-2; OSF2; PDLPOSTN; PN
Locus ID: 10631
UniProt ID: [Q15063](#)
Cytogenetics: 13q13.3

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