

Product datasheet for **SC337307**

Periostin (POSTN) (NM_001286667) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Periostin (POSTN) (NM_001286667) Human Untagged Clone
Tag:	Tag Free
Symbol:	POSTN
Synonyms:	OSF-2; OSF2; PDLPOSTN; PN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001286667, the custom clone sequence may differ by one or more nucleotides

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ATGATTCCCTTTTACCCATGTTTTCTCTACTATTGCTGCTTATTGTTAACCTATAAACGCCAACAAATC
ATTATGACAAGATCTTGCTCATAGTCGTATCAGGGTTCGGACCAAGGCCCAAATGCTGTGCCCTTCA
ACAGATTTTGGGCACAAAAAGAAATACTTCAGCACTTGAAGAAGTGGTATAAAAAAGTCCATCTGTGGA
CAGAAAACGACTGTGTTATATGAATGTTGCCCTGGTTATATGAGAATGGAAGGAATGAAAGGCTGCCAG
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TGACGCCTCAAACTGAGGGAGGAGATCGAGGAAAGGGATCCTTCACTTACTTTGCACCAGTAATGAG
GCTTGGGACAACCTGGATTCTGATATCCGTAGAGGTTTGGAGAGCAACGTGAATGTTGAATTACTGAATG
CTTTACATAGTCACATGATTAATAAGAGAATGTTGACCAAGGACTTAAAAATGGCATGATTATTCCTTC
AATGTATAACAATTTGGGGCTTTTCATTAACCATTATCCTAATGGGGTGTCACTGTTAATTGTGCTCGA
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GTACCTCAATTCAAGACTTCATTGAAGCAGAAGATGACCTTTCATCTTTAGAGCAGCTGCCATCACATC
GGACATATTGGAGGCCCTTGAAGAGACGGTCACTTCACACTCTTTGCTCCCACCAATGAGGCTTTTGAG
AAACTTCCACGAGGTGTCTAGAAAGGATCATGGGAGACAAAGTGGCTTCCGAAGCTCTTATGAAGTACC
ACATCTTAAATACTCTCCAGTGTCTGAGTCTATTATGGGAGGAGCAGTCTTTGAGACGCTGGAAGGAAA
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GCCTACTTGAAGCTGCAGACTTGAAGAGCTCCTGACACAACCTGGAGACTGGACATTATTTGTGCCAAC
CAATGATGCTTTAAGGGAATGACTAGTGAAGAAAAAGAAATCTGATACGGGACAAAAATGCTCTTCAA
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GCAGACACACCTGTTGAAATGATCAACTGCTGGAATACTTAATAAATTAATCAAATACATCCAATTA
AGTTTGTTCGTGGTAGCACCTTCAAAGAAATCCCGTGACTGTCTATAGTCTGAAATAAAATACACTAG
GATTTCTACTGGAGGTGGAGAAACAGAAGAACTCTGAAGAAATGTTACAAGAAGACACACCCGTGAGG
AAGTTGCAAGCCAACAAAAAGTTCAAGGATCTAGAAGACGATTAAGGGAAGGTCGTTCTCAGTGA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001286667

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001286667.1 , NP_001273596.1
RefSeq Size:	3045 bp
RefSeq ORF:	2166 bp
Locus ID:	10631
UniProt ID:	Q15063
Cytogenetics:	13q13.3
Protein Families:	Druggable Genome, Secreted Protein
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (7) lacks four alternate in-frame exons, compared to variant 1. The encoded isoform (7, also known as thy8) is shorter than isoform 1.</p>