

## Product datasheet for **MC220781**

### Postn (BC031449) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Postn (BC031449) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Postn
Synonyms:	OSF-2, Osf2, Periostin, PN
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >BC031449  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGTTCTCTCCTGCCCTTATATGCTCTGCTGCTGTTCCTGTGTGATTAACCTGCAAATGCCA  
 ACAGTTACTATGACAAGGTCCTGGCTCACAGCCGCATCAGGGGTCGGGATCAGGGCCCAAACGTCTGTGC  
 CCTCCAGCAAATTCTGGGCACAAAAAGAAATACTTCAGCTCCTGTAAGAACTGGTATCAAGGTGTATC  
 TGCGGGAAGAAAACCACTGTGCTATATGAATGCTGCCCTGGCTATATGAGAATGGAAGGGATGAAAGGCT  
 GCCCCGACGTGATGCCTATTGACCATGTTTATGGCAGCTGGGCATTGTGGGAGCCACTACCACTCAGCA  
 CTA CTCCGATGTCTCGAAGCTGAGAGAAGAGATTGAAGGAAAAGGGTCATGCACGTA CTTCGCGCCGAGT  
 AACGAGGCTTGGGAGAACCTGGATTCTGACATTCGCAGAGGACTGGAGAACAATGTCAATGTTGAGCTAC  
 TGAATGCCTTACACAGCCACATGGTTAATAAGAGAATGTTAACCAAGGACCTGAAACACGGCATGGTTAT  
 TCCTTCAATGTACAACAATCTGGGGCTTTTTATTAACCATTATCCAATGGGGTTGTCACGTGAACTGT  
 GCTCGAGTCATCCATGGGAACCAGATTGCCACAATGGTGTCTGTCATGTCATTGACCGTCTCTGACAC  
 AAATTGGTACCTCCATCCAAGACTTCCTTGAAGCAGAAGACGACCTTTCATCATTAGAGCAGCCGCCAT  
 CACCTCTGACCTCTTGGAGTCCCTTGAAGAGATGGTCACTTCACGCTCTTTGCTCCCACCAATGAAGCT  
 TTCGAGAAACTGCCACGAGGTGTCTAGAAAGGATCATGGGAGACAAAGTGGCTTCTGAAGCTCTCATGA  
 AGTACCACATCCTAAATACCTCCAGTGTCTGAGGCCATCACTGGAGGAGCCGTGTTTGAGACCATGGA  
 AGGAAACACTATTGAGATAGGGTGCAGGGGACAGTATCTCCATTAACGGAATCAAGATGGTGAACAAG  
 AAAGACATTGTGACTAAGAATGGTGTATCCACCTGATTGATGAAGTCTCATTCTGATTCTGCCAAAC  
 AAGTTATTGAGCTGGCTGGAAAACAGCAAACCACTTTCACCGACCTGGTAGCCCAATTAGCCTTGGCATC  
 CTCTCTGAAGCCAGATGGAGAGTACACCTTATTAGCACCTGTGAACAATGCGTTCTCTGATGACACTCTG  
 AGCATGGACCAACGCCTTCTTAAGCTAATTCTGCAAAATCACATATTGAAAGTAAAAGTTGGCCTTAGCG  
 ACCTCTACAATGGACAGATACTGAAAACCAATTGGAGGCAAACAACCTCCGAGTCTTTGTGTATCGGACGGC  
 TATCTGCATAGAAAACCTCATGCATGGTGTGAGAGGAAGCAAGCAGGGAAGGAATGGTGCCATTACATATTC  
 CGAGAAATCATCCAACCAGCAGAGAAAATCCCTGCACGACAAGCTGCGGCAAGACAAGCGCTTTAGCATCT  
 TCCTCAGCCTCCTGAAGCTGCAGATTTGAAAGATCTCCTGACACAGCCCGGAGATTGGACCTTGTTTGC  
 ACCAACCAATGATGCCTCAAGGGAATGACTAGCGAAGAAAGGGAGCTTCTGATTGGGGATAAAAATGCT  
 CTCAAAACATCATTCTTTATCACCTGACCCAGGGGTTTATATTGAAAGGGATTGCAACCCGGAGTCA  
 CTAATATCCTGAAGACCACAGGGAAGCAAAATCTATCTGAAAGGAGTAAACGAAACGCTTCTAGTGAA  
 TGAGTTGAAGTCAAAGAATCTGACATCATGACGACAAATGGTGTCTACACGTCGTTGGACAAAACCTCTC  
 TATCCAGCAGATATTCCAGTTGGAAATGATCAGCTCTTGGAACTACTGAACAAAACGATAAAAATACATCC  
 AAATCAAGTTTGTTCGTGGCAGCACCTTCAAAGAAATCCCATGACTGTCTATAGACCTGCAATGACGAA  
 GATCCAAATTGAAGGTGATCCCGACTTCAGGCTGATTAAGAAGGCGAAACGGTGACAGAAGTGTCCAC  
 GGAGAGCCAGTCATTAAGAGTACACAAAATCATAGATGGAGTTCCTGTTGAAATAACTGAAAAACAGA  
 CTCGGGAAGAACGAATCATTACAGGTCCTGAGATAAAAATACACAGGATTTCCACAGGAGGTGGAGAAAC  
 AGGAGAGACCTTGCAGAAATCTTGCAAAAAGACACACCTGCAAAGAAGATACCAGCCAACAAAAGGGTT  
 CAAGGGCCTAGAAGACGATCAAGAGAAGGCCGTTCTCAGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** BC031449  
**Insert Size:** 2352 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC031449</a> , <a href="#">AAH31449</a>
<b>RefSeq Size:</b>	3109 bp
<b>RefSeq ORF:</b>	2351 bp
<b>Locus ID:</b>	50706
<b>Cytogenetics:</b>	3 C
<b>Gene Summary:</b>	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]