

## Product datasheet for **SC302684**

### nephronectin (NPNT) (NM\_001033047) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	nephronectin (NPNT) (NM_001033047) Human Untagged Clone
Tag:	Tag Free
Symbol:	nephronectin
Synonyms:	EGFL6L; POEM
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL6</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_001033047 edited  
 ATGGATTTTCTCCTGGCCTGGTGTGCTATCCTCGCTCTACCTGCAGGCGGCCGCCGAG  
 TTCGACGGGAGGTGGCCAGGCAAAATAGTGTATCGATTGGCCTATGTCGTTATGGTGGG  
 AGGATTGACTGCTGCTGGGGCTGGGCTCGCCAGTCTTGGGGACAGTGTACGCCTGTGTGC  
 CAACCACGATGCAAACATGGTGAATGTATCGGGCCAAACAAGTCAAGTGTATCCTGGT  
 TATGCTGGAAAAACCTGTAATCAAGATCTAAATGAGTGTGGCCTGAAGCCCCGGCCCTGT  
 AAGCAGAGTGCATGAACACTTACGGCAGCTACAAGTGTACTGTCTCAACGGATATATG  
 CTCATGCCGGATGGTTCCTGCTCAAGTGCCTGACCTGCTCCATGGCAAACCTGTCAGTAT  
 GGCTGTGATGTTGTTAAAGGACAATAACGGTGCCAGTGCCCATCCCCTGGCCTGCAGCTG  
 GCTCCTGATGGGAGGACCTGTGTAGATGTTGATGAATGTGCTACAGGAAGAGCCTCCTGC  
 CCTAGATTTAGGCAATGTGTCAACACTTTTGGGAGCTACATCTGCAAGTGTATAAAGGC  
 TTCGATCTCATGTATATTGGAGGCAAATATCAATGTCATGACATAGACGAATGCTCACTT  
 GGTGAGTATCAGTGCAGCAGCTTGTCTGATGTTATAACGTACGTGGTCTACAAGTGC  
 AAATGTAAGAAGGATACCAGGGTGTGGACTGACTTGTGTGTATATCCCAAAAGTTATG  
 ATTGAACCTTCAGGTCCAATTCATGTACCAAAGGGAAATGGTACCATTTAAAGGGTGC  
 ACAGGAAATAATAATTGGATTCCCTGATGTTGGAAGTACTTGGTGGCCTCCGAAGACACCA  
 TATATTCCTCCTATCATTACCAACAGGCCTACTTCTAAGCCAACAACAAGACCTACACCA  
 AAGCCAACACCAATTCCTACTCCACCACCACCACCCTCGCCAACAGAGCTCAGAACA  
 CCTCTACCACCTACAACCCAGAAAGGCCAACCACCGACTGACAACATATAGCACCAGCT  
 GCCAGTACACCTCCAGGAGGGATTACAGTTGACAACAGGGTACAGACAGACCCCTCAGAAA  
 CCCAGAGGAGATGTGTTCCATTCCACGGCAACCTTCAAATGACTTGTGTTGAAATATTTGAA  
 ATAGAAAGAGGAGTCAAGTGCAGACGATGAAGCAAAGGATGATCCAGGTGTTCTGGTACAC  
 AGTTGTAATTTTGACCATGGACTTGTGGATGGATCAGGGAGAAAGACAATGACTTGCAC  
 TGGGAACCAATCAGGGACCCAGCAGGTGGACAATATCTGACAGTGTCCGGCAGCCAAAGCC  
 CCAGGGGAAAAGCTGCACGCTTGGTGCTACCTCTCGGCCCTCATGCATTAGGGGAC  
 CTGTGCCTGTATTAGGCACAAGGTGACGGGGCTGCACTCTGGCACACTCCAGGTGTTT  
 GTGAGAAAACACGGTGCCACGGAGCAGCCCTGTGGGAAAGAAATGGTGGCCATGGCTGG  
 AGGCAAACACAGATCACCTTGCAGGGGCTGACATCAAGAGCGTCTTCAAAGGTGAA  
 AAAAGCGTGGTCACACTGGGGAGATTGGATTAGATGATGTGAGCTTGAAAAAGGCCAC  
 TGCTCTGAAGAACGCTAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_001033047

**Insert Size:** 4800 bp

**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).

**OTI Annotation:** ORF matches with NM\_001033047.1, and one SNP is identified in the ORF.

**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).

<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>	<u>NM_001033047.1, NP_001028219.1</u>
<b>RefSeq Size:</b>	4595 bp
<b>RefSeq ORF:</b>	1698 bp
<b>Locus ID:</b>	255743
<b>UniProt ID:</b>	<u>Q6UXI9</u>
<b>Cytogenetics:</b>	4q24
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>Functional ligand of integrin alpha-8/beta-1 in kidney development. Regulates the expression of GDNF with integrin alpha-8/beta-1 which is essential for kidney development. May also play a role in the development and function of various tissues, regulating cell adhesion, spreading and survival through the binding of several integrins (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the 5' coding region, compared to variant 1, and encodes a shorter protein (isoform B), compared to isoform A. This variant is also known as isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>