

Product datasheet for **SC328882**

nephronectin (NPNT) (NM_001184692) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	nephronectin (NPNT) (NM_001184692) Human Untagged Clone
Tag:	Tag Free
Symbol:	NPNT
Synonyms:	EGFL6L; POEM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >SC328882 representing NM_001184692.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

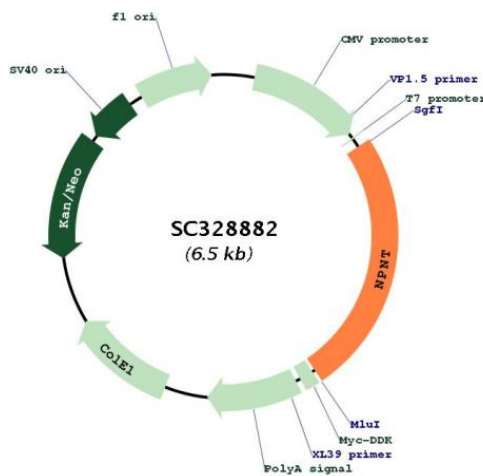
```

GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATTTTCTCCTGGCGCTGGTGTGGTATCCTCGCTACCTGCAGGGCGGCCCGAGTTCGACGGG
AGGTGGCCAGGCAAATAGTGTCAATCGATTGGCCTATGTCGTTATGGTGGGAGGATTGACTGCTGCTGG
GGCTGGGCTCGCCAGTCTTGGGGACAGTGTGAGCCTGTGTGCCAACACGATGCAAACATGGTGAATGT
ATCGGGCCAAACAAGTGAAGTGTCACTCTGGTTATGCTGGAAAAACCTGTAATCAAGATCTAAATGAG
TGTGGCCTGAAGCCCCGGCCCTGTAAGCACAGGTGCATGAACACTTACGGCAGCTACAAGTCTACTGT
CTCAACGGATATATGCTCATGCCGATGGTTCTGCTCAAGTGCCTGACCTGCTCCATGGCAAAGTGT
CAGTATGGCTGTGATGTTGTTAAAGGACAAATACGGTGCCAGTGCCCATCCCCTGGCCTGCAGCTGGCT
CCTGATGGGAGGACCTGTGTAGATGTTGATGAATGTGCTACAGGAAGAGCCTCCTGCCCTAGATTTAGG
CAATGTGTCAACACTTTTGGGAGCTACATCTGCAAGTGCATAAAGGCTTCGATCTCATGTATATTGGA
GGCAAATATCAATGTGATGACATAGACGAATGCTCACTTGGTCAGTATCAGTGCAGCAGCTTTGCTCGA
TGTATAACATACGTGGGTCCTACAAGTCAAATGTAAAGAAGGATACCGGGTGTGGACTGACTTGT
GTGTATATCCCAAAGTTATGATTGAACCTTCAGGTCCAATTCATGTACCAAAGGAAATGGTACCATT
TAAAGGGTGACACAGGAAATAAATTGGATTCTGTGTTGGAAGTACTTGGTGGCCTCCGAAGACA
CCATATATTCTCCTATCATTACCAACAGGCCTACTTCTAAGCCAACAACAAGACCTACACCAAAGCCA
ACACCAATTCTACTCCACCACCACCACCACCCTGCCAAGAGCTCAGAACACCTCTACCACCTACA
ACCCAGAAAGGCCAACACCAGGACTGACAATATAGCACCAGTCCAGTACACCTCCAGGAGGGATT
ACAGTTGACAACAGGGTACAGACAGACCCTCAGAAACCCAGAGGAGATGTGTTGAGTGTCTGGTACAC
AGTTGTAATTTGACCATGGACTTTGTGGATGGATCAGGGAGAAAGACAATGACTTGCCTGGGAACCA
ATCAGGGACCCAGCAGGTGGACAATATCTGACAGTGTGCGCAGCCAAAGCCCCAGGGGGAAAAGCTGCA
CGCTTGGTGTACCTCTCGGCCCTCATGCATTAGGGGACCTGTGCCTGTCATTACGGCACAAGGTG
ACGGGGTGCCTCTGGCACACTCCAGGTGTTTGTGAGAAAACACGGTGGCCACGGAGCAGCCCTGTGG
GGAAGAAATGGTGGCCATGGCTGGAGGCAAACACAGATCACCTTGCGAGGGGCTGACATCAAGAGCGTC
GTCTTCAAAGGTGAAAAAGGCGTGGTACACTGGGGAGATTGGATTAGATGATGTGAGCTTGAAAAAA
GGCCACTGCTCTGAAGAACGCTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
```

Restriction Sites:

Sgfl-Mlul

Plasmid Map:



ACCN:	NM_001184692
Insert Size:	1611 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001184692.1</u>
RefSeq Size:	4505 bp
RefSeq ORF:	1611 bp
Locus ID:	255743
UniProt ID:	<u>Q6UXI9</u>
Cytogenetics:	4q24
Protein Families:	Druggable Genome
MW:	58.7 kDa
Gene Summary:	<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 (4) lacks multiple in-frame exons in the coding region, compared to variant 1, and encodes a shorter protein (isoform D), compared to isoform A.</p> <p>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>