

Product datasheet for **SC328924**

nephronectin (NPNT) (NM_001184693) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	nephronectin (NPNT) (NM_001184693) 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)

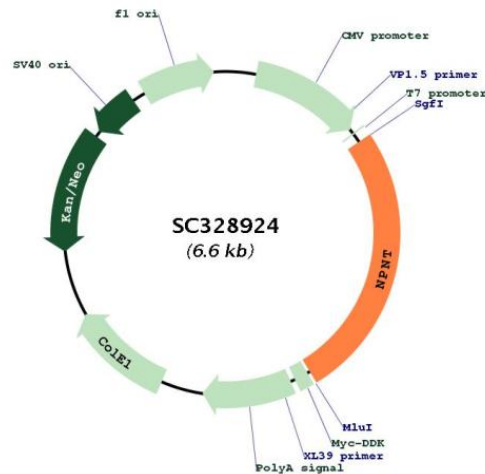


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Fully Sequenced ORF: >SC328924 representing NM_001184693.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGATTTTCTCCTGGCGCTGGTGTGGTATCCTCGCTCTACCTGCAGGGCGGCCGGAGTTCGACGGG
AGGTGGCCAGGCAAATAGTGTATCGATTGGCCTATGTCGTTATGGTGGGAGGATTGACTGCTGCTGG
GGCTGGGCTCGCCAGTCTTGGGGACAGTGTGAGCCTGTGTGCCAACCACGATGCAAACATGGTGAATGT
ATCGGGCCAAACAAGTGAAGTGTATCCTGTTATGCTGGAAAAACCTGTAATCAAGACGAGCACATC
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CCTTCAAGGGATCTAAATGAGTGTGGCCTGAAGCCCCGGCCCTGTAAGCACAGGTGCATGAACACTTAC
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ACCTGCTCCATGGCAAAGTGTGATGGCTGTGATGTTGTTAAAGGACAAATACGGTGCCAGTGCCCA
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GCCTCCTGCCCTAGATTTAGGCAATGTGTCAACACTTTTGGGAGCTACATCTGCAAGTGCATAAAGGC
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GCCCCAGGGGAAAAGCTGCACGCTTGGTGTACTCTCGGCCGCTCATGCATTAGGGGACCTGTGC
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GCCCACGGAGCAGCCCTGTGGGAAGAAATGGTGGCCATGGCTGGAGGCAAACACAGATCACCTTGCGA
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GATGATGTGAGCTTGAAAAAGGCCACTGCTCTGAAGAACGCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001184693

Insert Size: 1701 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:

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_001184693.1](#)

RefSeq Size: 4595 bp

RefSeq ORF: 1701 bp

Locus ID: 255743

UniProt ID: [Q6UXI9](#)

Cytogenetics: 4q24

Protein Families: Druggable Genome

MW: 62 kDa

Gene Summary: 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]

Transcript Variant: This variant (5) has multiple differences in the presence/absence of in-frame exons in the coding region, compared to variant 1, and encodes a shorter protein (isoform E), compared to isoform A. 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.