

## Product datasheet for **SC326844**

### NPTN (NM\_001161364) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NPTN (NM_001161364) Human Untagged Clone
Tag:	Tag Free
Symbol:	NPTN
Synonyms:	GP55; GP65; np55; np65; SDFR1; SDR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326844 representing NM_001161364. Blue=Insert sequence Red=Cloning site Green=Tag(s)

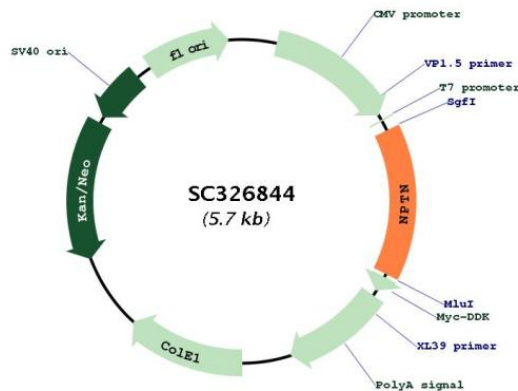
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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAATACGACTACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCGGGTTTCGTGCTGCCAGCGCCCTGGCCCTCTCGCTGTTGCTGGTCTCTGGCTCCCTCCTCCCA
GGGCCAGGCGCCGCTCAGAACGAGCCAAGGATTGTCACCAGTGAAGAGGTCATTATTCGAGACAGCCCT
GTTCTCCCTGTCACCCTGCAGTGTAACTCACCTCCAGCTCTCACACCCTTACATACAGCTACTGGACA
AAGAATGGGGTGGAACTGAGTGCCACTCGTAAGAATGCCAGCAACATGGAGTACAGGATCAATAAGCCG
AGAGCTGAGGATTCAGGCGAATACCACTGCGTATATCACTTTGTCAGCGCTCCTAAAGCAAACGCCACC
ATTGAAGTGAAAGCCGCTCCTGACATCACTGGCCATAAACGGAGTGAGAACAAAGAATGAAGGCCAGGAT
GCCACTATGTATTGCAAGTCAGTTGGCTACCCCAACCAGACTGGATATGGCGCAAGAAGGAGAACGGG
ATGCCCATGGACATTGTCAATACCTCTGGCCGCTTCTTCATCATCAACAAGGAAAATTACTGAGTTG
AACATTGTGAACCTGCAGATCACGGAAGACCCTGGCGAGTATGAATGTAATGCCACCAACGCCATTGGC
TCCGCCTCTGTTGCTACTGTCCTCAGGGTGGGAGCCACTGGCCCCACTCTGGCCTTTCTTGGGAATT
CTGGCTGAAATTATCATCCTTGTGGTGATCATTGTTGTGTATGAGAAGAGGAAGAGGCCAGATGAGGTT
CCTGACGCTGGACCAATGAAAACCAACTCTACCAACAATCACAAAGATAAAAACCTGGCCAGAGAAAC
ACAAATTA
ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM\_001161364

Insert Size: 837 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\\_001161364.1](#)

RefSeq Size: 2094 bp

RefSeq ORF: 837 bp

<b>Locus ID:</b>	27020
<b>UniProt ID:</b>	<a href="#">Q9Y639</a>
<b>Cytogenetics:</b>	15q24.1
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	30.8 kDa
<b>Gene Summary:</b>	<p>This gene encodes a type I transmembrane protein belonging to the Ig superfamily. The protein is believed to be involved in cell-cell interactions or cell-substrate interactions. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2009]</p> <p>Transcript Variant: This variant (d) lacks an alternate in-frame exon in the 5' coding region and uses an alternate in-frame splice site in the 3' coding region, compared to variant b. This results in a shorter protein (isoform d), compared to isoform b.</p>