

Product datasheet for **SC311488**

Nectin 2 (NECTIN2) (NM_001042724) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nectin 2 (NECTIN2) (NM_001042724) Human Untagged Clone
Tag:	Tag Free
Symbol:	Nectin 2
Synonyms:	CD112; HVEB; PRR2; PVRL2; PVRR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC311488 representing NM_001042724.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCCCGGGCCGCTGCCCTCCTGCCGTGAGATCGCCGCCGACGCCGCTGCTGTGGCCGCTGCTGCTG
CTGCTGCTCCTGGAAACCGGAGCCAGGATGTGCGAGTTCAAGTGCTACCCGAGGTGCGAGGCCAGCTC
GGGGGCACCGTGGAGCTGCCGTGCCACCTGCTGCCACCTGTTCCCTGGACTGTACATCTCCCTGGTGACC
TGGCAGCGCCAGATGCACCTGCGAACCACCAGAAATGTGGCCGCCTTCCACCCTAAGATGGTCCCAGC
TCCCCAGCCGAAGCCTGGCAGCGAGCGGCTGTCCTTCGTCTCTGCCAAGCAGAGCACTGGGCAAGAC
ACAGAGGCAGAGCTCCAGGACGCCACGCTGGCCCTCCACGGGCTCACGGTGGAGGACGAGGGCAACTAC
ACTTGGCAGTTTGCCACCTTCCCAAGGGTCCGTCCGAGGGATGACCTGGCTCAGAGTCATAGCCAAG
CCCAAGAACAAGCTGAGGCCAGAAGGTACGTTTCCAGCCAGGACCTACGACAGTGGCCCTCTGCATC
TCAAAGAGGGCCGCCACCTGCCGGATCTCCTGGCTCTCATCCCTGGACTGGGAAGCCAAAGAGACT
CAGGTGTACAGGACCCTGGCCGGAAGTGTACTGTACCAGCCGCTTACCTTGGTCCCTCGGGCCGA
GCAGATGGTGTACGGTACCTGCAAGTGGAGCATGAGAGCTTCGAGGAACCAGCCCTGATACCTGTG
ACCTCTCTGTACGCTACCTCCTGAAGTGTCCATCTCCGGCTATGATGACAACCTGGTACCTCGGCCGT
ACTGATGCCACCCTGAGCTGTGACGTCCGACAGCAACCCAGAGCCACGGGCTATGACTGGAGCACGACC
TCAGGCACCTTCCCGACCTCCGACGTGGCCAGGGCTCCAGCTGGTCAATCCACGAGTGACAGTCTG
TTCAATACCACCTTCGTCTGCACAGTACCAATGCCGTGGGCATGGGCCGCGTGGCAGGTCATCTTT
GTCCGAGAGACCCCAACACAGCAGGCGCAGGGGCCACAGGCGGCATCATCGGGGCATCATCGCCGCC
ATCATTGCTACTGCTGTGGTGGCCACGGGCATCCTTATCTGCCGCGCAGCAGCGGAAGGAGCAGACGCTG
CAGGGGCAGAGGAGGACGAAGACCTGGAGGACCTCCCTCTACAAGCCACCCCAAAAGCGAAG
CTGGAGGCACAGGAGATGCCCTCCAGCTTTCACCTCTGGGGCCCTCGGAGCACAGCCCACTCAAGACC
CCCTACTTTGATGCTGGGCCTCATGCACTGAGCAGGAAATGCCTCGATACCATGAGCTGCCACCTTG
GAAGAACGGTCAGGACCCTTGACCCTGGAGCCACAAGCCTGGGGTCCCCATCCCGGTGCCCTCCAGGG
CCACCTGCTGTGAAGACGTTTCCCTGGATCTAGAGGATGAGGAGGGGGAGGAGGAGGAAGATATCTG
GACAAGATCAACCCATCTATGATGCTCTGTCTATAGCAGCCCTCTGATTCTACCAGGGCAAAGGC
TTTGTATGTCCCGGCCATGTATGTGA
ACGGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001042724

Insert Size: 1617 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:	NM_001042724.1
RefSeq Size:	2869 bp
RefSeq ORF:	1617 bp
Locus ID:	5819
UniProt ID:	Q92692
Cytogenetics:	19q13.32
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Adherens junction, Cell adhesion molecules (CAMs)
MW:	57.7 kDa
Gene Summary:	<p>This gene encodes a single-pass type I membrane glycoprotein with two Ig-like C2-type domains and an Ig-like V-type domain. This protein is one of the plasma membrane components of adherens junctions. It also serves as an entry for certain mutant strains of herpes simplex virus and pseudorabies virus, and it is involved in cell to cell spreading of these viruses. Variations in this gene have been associated with differences in the severity of multiple sclerosis. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (delta) represents the longer transcript and encodes the longer isoform (delta).</p>