

Specifications:

Gene:	<i>h</i> CD300LG
Accession:	NP_660316
Insert size:	1012bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

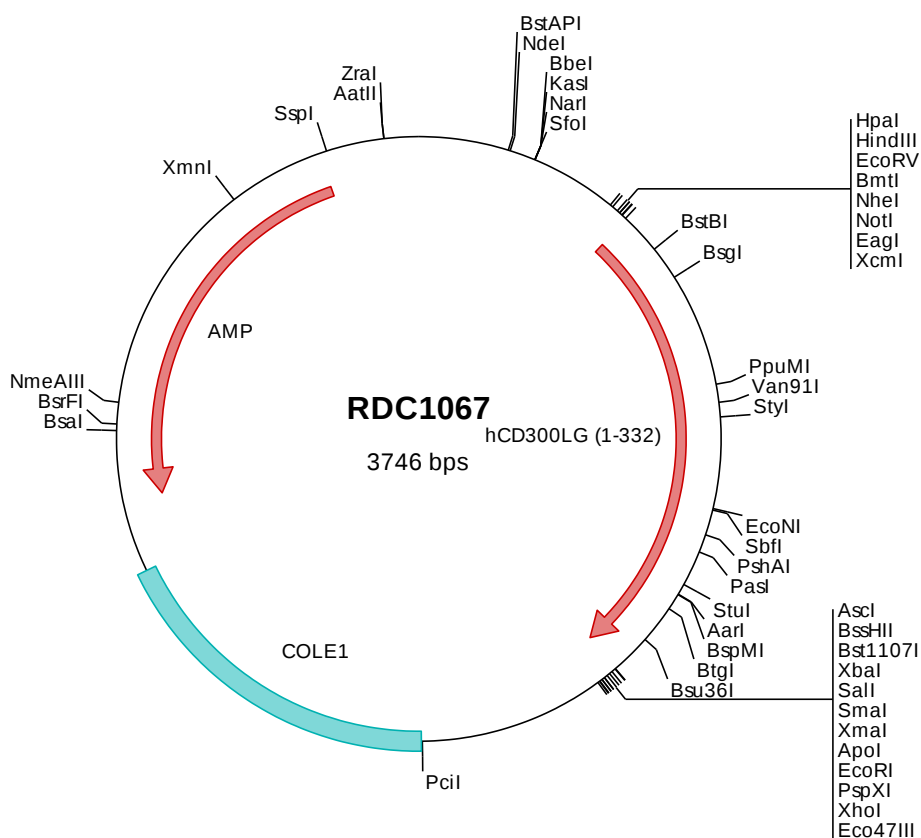
*h*CD300g/Nepmucin cDNA Plasmid

CD300LG CD300 molecule-like family member g [*Homo sapiens* (human)]

Also known as: CLM9; CLM-9; TREM4; TREM-4; NEPMUCIN

Summary:

CD300LG is a member of the CD300L family of proteins. It is known to form homotypic interactions between endothelial cells, bind lymphocytes via its Ig-like and mucin domains, and serve as a transcellular transport vehicle for IgA and IgM. Alternatively spliced transcripts encoding different proteins have been described.





> RDC1067 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaggg ggaatgtctg caaggcgatt aagtgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaatccgata tcgctagcgc ggccgccacc atgcgtcttc tggctctgct atgggggtgc ctgctgctcc caggttatga
501  agccctggag ggccagagg aaatcagcgg gttcgaaggg gacactgtgt cccctgcagt caccacaggg gaagagctga gggaccacgg gaagtactgg
601  tgcaggaagg gtgggatcct cttctctcgc tgccttgcca ccatctatgc agaagaagaa ggccaggaga caatgaaggg caggggtgtcc atccgtgaca
701  gccgcagga gctctcgtctc attgtgacct tgttgaacct caccctgcaa gacgtgggg agtactgggt tggggctgaa aaacggggcc ccgatgagtc
801  tttactgato tctctgttgc tctttccagg accctgctgt cctccctccc cttctcccac cttccagcct ctggctacaa caccgctgca gcccaaggca
901  aaagctcagc aaacccagcc cccaggattg acctctctct ggctctaccc ggagccacc acagccaagc aggggaagac aggggctgag gccctccat
1001  tgccagggac ttcccagtac gggcaccgaa ggaacttcca gtacacagga acctctctcc acccagcgac ctctctctct gcagggagct cccgcccccc
1101  catgcagctg gactccacct cagcagagga caccagtcga gctctcagca gtggcagctc taagcccagg gtgtccatcc cgatggctcc cactactggc
1201  ccagtcctgg tgcctgctgag ccttctgtca gccgcaggcc tgatcgccct ctgcagccac ctgctcctgt ggagaaagga agctcaacag gccacggaga
1301  cacagaggaa cgagaagttc tgccctctac gcttgactgc ggaggaaaag gaagccctct cccaggcccc tgagggggag gtgatctoga tgcctcccc
1401  ccacacatct gaggaggagc tgggcttctc gaagtttgtc tcagcgtaaa ggccgcgccag tatactctag agtcgacacc cggggaattc ctcgagcgct
1501  cgtctctagc ttggcgtaat catggtcata gctgtttcct tgttgaaatt gttatccgct cacaattcca cacaacatac gagccggaag cataaagtgt
1601  aaagcctggg gtgcctaagt agtgagctaa ctcacattaa ttgctgtggc ctactgccc gctttccagt cgggaaacct gtcgtgccag ctgcattaat
1701  gaatcgccca acgcgcgggg agaggcggtt tgcgtattgg gcgctcttcc gcttctctgc tcactgactc gctgcgctcg gtcgttcggc tgcggcgagc
1801  ggtatcagct cactcaaaag cggtaatacg gttatccaca gaatcagggg ataacgcagg aaagaacatg tgagcaaaag gccacgaaaa ggcaggaac
1901  cgtaaaaaag ccgcgttgtc ggcgtttttc cataggtccc gcccccctga cgagcatcac aaaaatcgac gctcaagtca gaggtggcga aacccgacag
2001  gactataaag ataccaggcg ttccccctg gaagctcccc cgtgcgctct cctgttccga taccggatac ctgtccgctc tctctccttc
2101  gggaaagcgtg gcgctttctc aatgctcacg ctgtagggat ctcagttccg ttagagtcgt tcgctccaag ctgggctgtg tgcaacgaac ccccgctcag
2201  cccgaccgct gcgccttctc cggtaactat cgtctttagt ccaacccggt aagacacgac ttatcgccac tggcagcagc cactggtaac aggattagca
2301  gagcgaggta tgtaggcggt gctacagagt tcttgaagtg gtggcctaac tacggctaca ctagaaggac agtattttgt atctgcgctc tgctgaagcc
2401  agttaccttc ggaaaaagag ttggtagctc ttgatccggc aaacaaacca ccgctggtag cgggtgtttt tttgtttgca agcagcagat tacgcgcaga
2501  aaaaaaggat ctcaagaaga tcttttgatc ttttctacgg ggtctgacgc tcagtggaa c gaaaactcac gtttaaggat tttgttcag agattatcaa
2601  aaaggatctt cactatagatc ctttttaatt aaaaatgaag ttttaaatca atctaaagta tatatgagta aacttggtct gacagttacc aatgcttaat
2701  cagttaggca cctatctcag cgatctgtct atttctgtca tccatagttg cctgactccc cgtcgtgtag ataactacga tacgggaggg cttaccatct
2801  ggccccagtg ctgcaatgat accgcgagac ccacgctcac cggctccaga tttatcagca ataaaccagc cagccggaag ggcgagcgc agaagtggtc
2901  ctgcaacttt atccgctctc atccagtcct ttaattgttg ccgggaagct gttcgccagt taatagtttg cgcaacgttg ttgccattgc
3001  tacaggcatc gtggtgtcac gctcgtcgtt tgggtatgct tcaattcagct ccggttccca acgatcaagg cgagttacat gatcccccat gttgtgcaaa
3101  aaagcgggta gctccttcgg tctcccgatc gttgtcagaa gtaagttggc cgcagtgtta tcaactcatg ttatggcagc actgcataat tctcttactg
3201  tcatgccatc cgtaagatgc tttttctgta ctgggtgagta ctcaaccaag tcaattctgag aatagtgat ggcggcagcg agttgctctt gcccgcgctc
3301  aatacgggat aataccgcgc cacatagcag aactttaaaa gtgctcatca ttggaaaaag ttcttcgggg cgaaaactct caaggatctt accgctgttg
3401  agatccagtt cgatgtaacc cactctgca cccaactgat cttcagcatc tttactcttc accagcgttt ctgggtgagc aaaaacagga aggcaaaatg
3501  ccgcaaaaaa gggaaataagg gcgacacgga aatgttgaat actcatactc tttctttttc aatattattg aagcatttat cagggttatt gtcctcatgag
3601  cggatacata tttgaatgta tttagaaaaa taaacaaata ggggttccgc gcacatttcc ccgaaaagtg ccacctgacg tctaagaaac cattattatc
3701  atgacattaa cctataaaaa taggcgtatc acgagggcct tctgcctc
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> RDC1067 Translated Insert Sequence

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1   mrllvllwgc lllpgyeale gpeeisgfeg dtvslqctyr eelrdrhkyw crkggilfsr csgtiyaeae gqetmkgrvs irdsrqelsl ivtlwnltlg
101  dageywcgve krgpdessli slfvfpgpcc ppspsptfqp lattrlpkpa kaqgtqppgl tspglypaat takqgktgae applpgtsqy ghertsqytg
201  tsphpatspp agssrrppmq1 dstsaedtsp alssgsskpr vsipmvrila pvlvllslls aagliafcsh lllwrkeagq atetqrnekf clsrlltaeek
301  eapsqapegd vismoplhts eeelgfskfv sa
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