

Product datasheet for **RC200073**

CD320 (NM_016579) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | CD320 (NM_016579) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | CD320 |
| Synonyms: | 8D6; 8D6A; TCBLR; TCN2R |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC200073 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCGGCGGTTGGATGGCGCAGGTTGGAGCGTGCGAACAGGGGCTCTGGGCTGGCGCTGCTGCTGC
TGCTCGGCCTCGGACTAGGCCTGGAGGCCGCGGAGCCCGTTCCACCCGACCTCTGCCAGGCCGC
AGGCCCCAGCTCAGGCTCGTGCCACCCACCAAGTTCCAGTGCCGACCCAGTGGCTTATGCGTGCCCTC
ACCTGGCGCTGCGACAGGACTTGGACTGCAGCGATGGCAGCGATGAGGAGGAGTGCAGGATTGAGCCAT
GTACCCAGAAAGGCAATGCCACCGCCCTGGCTCCCTGCCCTGCACCGCGTCACTGACTGCTC
TGGGGAACTGACAAGAACTGCCAACTGCAGCCGCTGGCCTGCCTAGCAGGCGAGCTCCGTTGACG
CTGAGCGATGACTGCATTCCACTCACGTGGCGCTGCGACGGCCACCCAGACTGTCCCGACTCCAGCGACG
AGCTCGGCTGTGGAACCAATGAGATCCTCCCGAAGGGGATGCCACAACCATGGGGCCCCCTGTGACCC
GGAGAGTGTACCTCTCTCAGGAATGCCACAACCATGGGGCCCCCTGTGACCCCTGGAGAGTGTCCCTCT
GTGCGGAATGCCACATCCTCCTCTGCCGGAGACCAGTCTGGAAGCCCACTGCCTATGGGGTTATTGCG
CTGCTGCGGTGCTCAGTGCAAGCCTGGTACCGCCACCCTCCTCTTTGTCTGGCTCCGAGCCCAGGA
GCGCCTCCGCCACTGGGGTTACTGGTGGCCATGAAGGAGTCCCTGCTGCTGTGAGAACAAGAACCTCG
CTGCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



[View online »](#)

Protein Sequence: >RC200073 protein sequence
Red=Cloning site Green=Tags(s)

MSGGWMAQVGAWRTGALGLALLLLGLGLGLEAAASPLSTPTSAQAAGPSSGSCPPTKFQCRTSGLCVPL
 TWRCDRDLDCSDGSDEEECRIEPTKQKQCPPPGLPCPCTGVSDCSGGTDKCLRNCRLACLAGELRCT
 LSDDCIPLTWRCDGHDPDCPDSSDELGCGTNEILPEGDATTMGPPVTLESVTSLRNATTMGPPVTLESVPS
 VGNATSSAGDQSGSPTAYGVIAAAAVLSASLVATLLLLSWLRAQERLRPLGLLVAMKESLLLSEQKTS
 LP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6583_d12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016579

ORF Size: 846 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_016579.4](#)

RefSeq Size: 1283 bp

RefSeq ORF: 849 bp

Locus ID: 51293

UniProt ID: [Q9NPF0](#)

Cytogenetics: 19p13.2

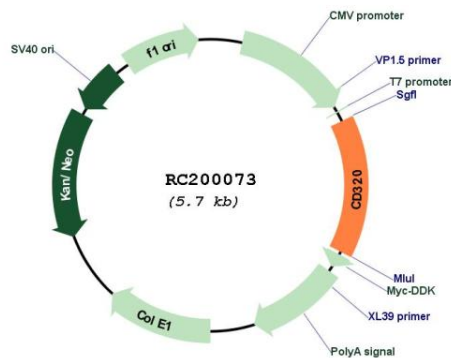
Domains: ldl_recept_a

Protein Families: Transmembrane

MW: 29 kDa

Gene Summary: This gene encodes the transcobalamin receptor that is expressed at the cell surface. It mediates the cellular uptake of transcobalamin bound cobalamin (vitamin B12), and is involved in B-cell proliferation and immunoglobulin secretion. Mutations in this gene are associated with methylmalonic aciduria. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jan 2011]

Product images:



Circular map for RC200073