

Product datasheet for **RG200073**

CD320 (NM_016579) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD320 (NM_016579) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CD320
Synonyms:	8D6; 8D6A; TCBLR; TCN2R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200073 representing NM_016579 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCGGCGGTTGGATGGCGCAGGTTGGAGCGTGGCGAACAGGGGCTCTGGGCTGGCGCTGCTGCTGC
TGCTCGGCCTCGGACTAGGCCTGGAGGCCCGCGAGCCCGCTTCCACCCGACCTCTGCCAGGCCGC
AGGCCCCAGCTCAGGCTCGTGCCACCCACCAAGTTCCAGTGCCGCACCAGTGGCTTATGCGTGCCCTC
ACCTGGCGCTGCGACAGGACTTGGACTGCAGCGATGGCAGCGATGAGGAGGAGTGCAGGATTGAGCCAT
GTACCCAGAAAGGCAATGCCACCGCCCCCTGGCCTCCCTGCCCTGCACCGCGTCAGTGACTGCTC
TGGGGAACTGACAAGAACTGCCAACTGCAGCCGCTGGCCTGCCTAGCAGGCGAGCTCCGTTGACAG
CTGAGCGATGACTGCATTCCACTCACGTGGCGCTGCGACGGCCACCCAGACTGTCCCGACTCCAGCGACG
AGCTCGGCTGTGGAACCAATGAGATCCTCCCGAAGGGGATGCCACAACCATGGGGCCCCCTGTGACCC
GGAGAGTGTACCTCTCTCAGGAATGCCACAACCATGGGGCCCCCTGTGACCCCTGGAGAGTGTCCCTCT
GTCGGGAATGCCACATCCTCCTGCGGAGACCAGTCTGGAAGCCCAACTGCCTATGGGGTTATTGCGAG
CTGCTGCGGTGCTCAGTGCAAGCCTGGTACCGCCACCCTCCTCTTTGTCTGGCTCCGAGCCAGGA
GCGCCTCCGCCACTGGGGTTACTGGTGGCCATGAAGGAGTCCCTGCTGCTGTGAGAACAAGAACCTCG
CTGCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG200073 representing NM_016579
 Red=Cloning site Green=Tags(s)

MSGGWMAQVGAWRTGALGLALLLLGLGLGLEAAASPLSTPTSAQAAGPSSGSCPPTKFQCRTSGLCVPL
 TWRCDRLDCSDGSDEEECRIEPTQKGCQPPPPGLPCPCTGVSDCSGGTDKCLRNCRLACLAGELRCT
 LSDDCIPLTWRCDGHPDCPDSSDELGCGTNEILPEGDATTMGPPVTLESVTSLRNATTMGPPVTLESVPS
 VGNATSSSAGDQSGSPTAYGVIAAAAVLSASLVATLLLLSWLRAQERLRPLGLLVAMKESLLLSEQKTS
 LP

TRTRPLE - GFP Tag - V

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: 1260 bp

RefSeq ORF: 849 bp

Locus ID: 51293

UniProt ID: [Q9NPF0](#)

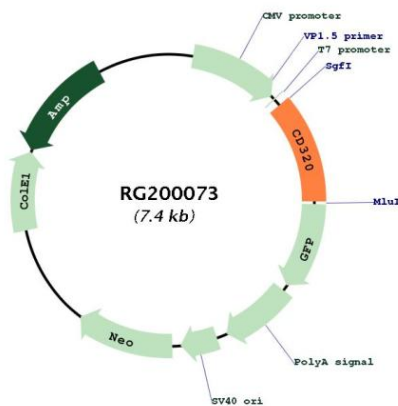
Cytogenetics: 19p13.2

Domains: ldl_recept_a

Protein Families: Transmembrane

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 RG200073