

Product datasheet for **RG213785**

DCL 1 (CD302) (NM_014880) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCL 1 (CD302) (NM_014880) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DCL 1
Synonyms:	BIMLEC; CLEC13A; DCL-1; DCL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213785 representing NM_014880 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCCGGGCCGCGCTGCCGCGCTCCTGCTGCCGTTGCTGGGCCTCGCCGCTGCTGCCGTCGCGGACT
GTCCTTCATCTACTTGGATTCAAGACAGTTGTTACATTTTCTCCAAGAAGCCATCAAAGTAGA
AAGCATAGAGGATGTCAGAAATCAGTGACTGACCATGGAGCGGACATGATAAGCATACATAATGAAGAA
GAAAATGCTTTTATACTGGATACTTTGAAAAGCAATGAAAAGGCCAGATGATATCCTACTAGGCATGT
TTTATGACACAGATGATGCGAGTTTCAAGTGGTTTGATAATTCAAATATGACATTTGATAAGTGGACAGA
CCAAGATGATGATGAGGATTTAGTTGACACCTGTGCTTTTCTGCACATCAAGACAGGTGAATGGAAAAA
GGAAATTGTGAAGTTTCTCTGTGGAAGGAACACTATGCAAAACAGCTATCCCATACAAAAGGAAATATT
TATCAGATAACCACATTTTAATATCAGCATTGGTGATTGCTAGCACGGTAATTTTGACAGTTTGGGAGC
AATCATTTGGTTCTGTACAAAAACATTCTGATTCTCGTTTCACCACAGTTTTTCAACCGCACCCCAA
TCACCTTATAATGAAGACTGTGTTTGGTAGTTGGAGAAGAAAATGAATATCCTGTTCAATTTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG213785 representing NM_014880
 Red=Cloning site Green=Tags(s)

MLRAALPALLPLLLGLAAAVADCPSSWTIQFDSCYIFLQEAIKVESIEDVRNQCTDHGADMISIHNEE
 ENAFILDTLKKQWKGPDDILLGMFYDTDDASFKWFDNSNMTFDKWDQDDDEDLVDTCAFLHIKTGEWKK
 GNCEVSSVEGTLCKTAIPYKRKYLSDNHILISALVIASVILTVLGAIWFLYKKHSDSRFTTVFSTAPQ
 SPYNEDCVLVVGEENEYPVQFD

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014880

ORF Size: 696 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_014880.5](#)

RefSeq Size: 3740 bp

RefSeq ORF: 699 bp

Locus ID: 9936

UniProt ID: [Q8IX05](#)

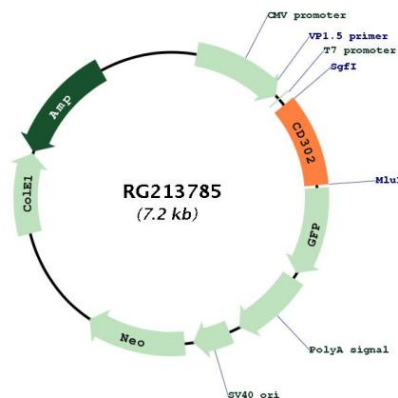
Cytogenetics: 2q24.2

Domains: CLECT

Protein Families: Druggable Genome, Transmembrane

Gene Summary: CD302 is a C-type lectin receptor involved in cell adhesion and migration, as well as endocytosis and phagocytosis (Kato et al., 2007 [PubMed 17947679]).[supplied by OMIM, Aug 2008]

Product images:



Circular map for RG213785