

Product datasheet for **RG220200**

CD300E (NM_181449) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD300E (NM_181449) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CD300E
Synonyms: CD300LE; CLM-2; CLM2; CMRF35-A5; IREM-2; IREM2; PlgR-2; PlgR2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG220200 representing NM_181449
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTGGCTGCTCCAGCTCTACTCCTTCTCTGCCTCTCAGGCTGTTTGTCTCTGAAGGGCCCGGCTCTG
 TGACTGGCACTGCGGGGACTCTCTGACAGTGTGGTGTGAGTATGAGAGCATGTACAAGGGATATAACAA
 GTACTGGTCCGAGGACAGTACGACACGTCATGTGAGAGCATTGTGGAGACCAAGGGAGAAGAGAAGGTG
 GAGAGGAATGGCCGCGTCCATCAGAGACCACCCGGAGGCTCTCGCTTCACTGTGACCATGCAGAACC
 TCAATGAAGATGATGCTGGATCTTACTGGTGCAAATTCAGACAGTGTGGTCTCGGATTCATGGTCACG
 CGATCCCTCGGACTGGTTAGGGTGTATGTTTCCCGCAATTACAACCCCAAGGAGGACCACACATCCA
 GCCACACCTCCATCTTCTGGTGGTGAACCTGGGCGAAACCTCAGCACCAGGGAGGTGTTGACCCAAA
 ATTCAGGGTTCGGCTCAGCAGCCCTCACTTCTGCTCGTGGTCTTCTGAAGCTGCCCTGCTCCTGAG
 CATGCTGGGTGCTGTTTCTGGGTGAACAGGCCTCAGTGGGCTCCTCCTGGAAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG220200 representing NM_181449
 Red=Cloning site Green=Tags(s)

MWLLPALLLLCLSGCLSLKGPVSVTGTAGDSLTVWCQYESMYKGYNKYWCRGQYDTSCEIVETKGEKV
 ERNGRVSIRDHPEALFTVTMQNLNEDDAGSYWCKIQTVVWLDWSRDPDLVRYVYSPAITTPRRTHP
 ATPPIFLVVPGRNLSTREVLTONSGFRLSSPHFLLVLLKPLLLSMLGAVFWVNRQPWAPPGR

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



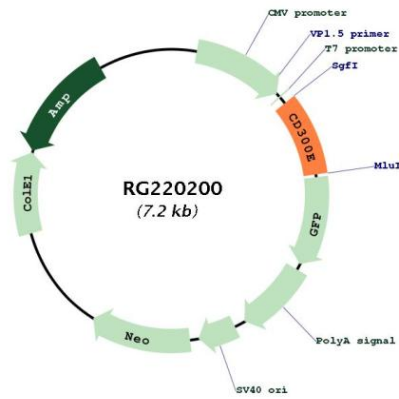
Cloning Scheme:


ACCN:	NM_181449
ORF Size:	615 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:	<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_181449.1 , NP_852114.1
RefSeq Size:	739 bp
RefSeq ORF:	618 bp
Locus ID:	342510
UniProt ID:	Q496F6
Cytogenetics:	17q25.1

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene encodes a member of the CD300 glycoprotein family of cell surface proteins expressed on myeloid cells. The protein interacts with the TYRO protein tyrosine kinase-binding protein and is thought to act as an activating receptor. [provided by RefSeq, Nov 2012]

Product images:



Circular map for RG220200