

Product datasheet for RC202700

CLEC2B (NM 005127) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CLEC2B (NM_005127) Human Tagged ORF Clone

Tag: Myc-DDK Symbol: CLEC2B

Synonyms: AICL; CLECSF2; HP10085; IFNRG1

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)ORF Nucleotide>RC202700 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGATGACCAAACATAAAAAGTGTTTTATAATTGTTGGTGTTTTTAATAACAACTAATATTATTACTCTGA
TAGTTAAACTAACTCGAGATTCTCAGAGTTTATGCCCCTATGATTGGATTGGTTTCCAAAACAAATGCTA
TTATTTCTCTAAAGAAGAAGGAGATTGGAATTCAAGTAAATACAACTGTTCCACTCAACATGCCGACCTA
ACTATAATTGACAACATAGAAGAAACGAATTTTCTTAGGCGGTATAAATGCAGTTCTGATCACTGGATTG
GACTGAAGATGGCAAAAAATCGAACAGGACAATGGGTAGATGGAGCTACATTTACCAAATCGTTTGGCAT
GAGAGGGGAGTGAAGGATGTGCCTACCTCAGCGATGATGGTGCAGCAACAGCTAGATGTTACACCGAAAGA
AAATGGATTTGCAGGAAAAAGAATACAC

 ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC202700 protein sequence

Red=Cloning site Green=Tags(s)

MMTKHKKCFIIVGVLITTNIITLIVKLTRDSQSLCPYDWIGFQNKCYYFSKEEGDWNSSKYNCSTQHADL TIIDNIEETNFLRRYKCSSDHWIGLKMAKNRTGQWVDGATFTKSFGMRGSEGCAYLSDDGAATARCYTER

KWICRKRIH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6578 c12.zip



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

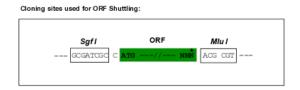
CN: techsupport@origene.cn

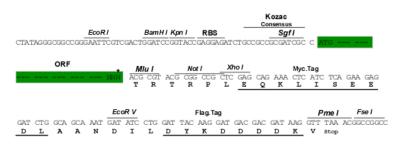
Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_005127

ORF Size: 447 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: <u>NM 005127.2</u>, <u>NP 005118.2</u>

RefSeq Size: 2052 bp RefSeq ORF: 450 bp



Locus ID: 9976

UniProt ID: Q92478

Cytogenetics: 12p13.31

Protein Families: Druggable Genome, Transmembrane

MW: 17.3 kDa

Gene Summary: This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD)

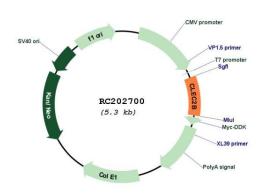
superfamily. Members of this family share a common protein fold and have diverse functions, such as cell adhesion, cell-cell signalling, glycoprotein turnover, and roles in inflammation and

immune response. The encoded type 2 transmembrane protein may function as a cell activation antigen. An alternative splice variant has been described but its full-length

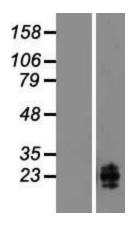
sequence has not been determined. This gene is closely linked to other CTL/CTLD superfamily members on chromosome 12p13 in the natural killer gene complex region. [provided by

RefSeq, Jul 2008]

Product images:



Circular map for RC202700



Western blot validation of overexpression lysate (Cat# [LY417484]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202700 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).