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Product datasheet for RC221901

CLEC17A (NM_207390) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLEC17A (NM_207390) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CLEC17A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

```
>RC221901 representing NM_207390
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCATAATCTGTATTCCATCACTGGGTACCCGGACCCACCAGGGACCATGGAGGAGGAGGAGGAGGATG
ATGACTATGAGAACTCAACACCTCCCTACAAGGACCTTCCTCCCAAGCCAGGGACCATGGAGGAGGAGGA
GGAGGATGATGACTATGAGAACTCAACACCTCCCTACAAGGACCTTCCTCCCAAGCCAGGGACCATGGAG
GAGGAGGAGGAGGATGATGACTATGAGAACTCAACACCTCCCTACAAGGACCTTCCTCCCAAGCCAGGTT
CAAGTGCTCCACCAAGACCTCCAAGGGCAGCAAAGGAAACAGAGAAACCCCCACTTCCTTGCAAGCCCCG
GAACATGACAGGCCTGGACCTCGCCGCTGTCACCTGTCCACCTCCTCAACTGGCTGTGAATCTTGAGCCT
TCTCCATTGCAGCCATCCCTGGCCGCAACTCCAGTCCCCTGGCTCAATCAGAGGTCTGGAGGTCCTGGCT
GCTGCCAGAAGAGGTGGATGGTGTACCTGTGTCTGCTGGTGGTGACTTCCCTGTTCCTGGGCTGCCTTGG
TCTCACTGTGACCCTGATTAAGTACCAGGAGTTGATGGAAGAACTGAGAATGTTAAGCTTTCAGCAGATG
ACGTGGCGAACAAATATGACTGGCATGGCAGGGCTAGCTGGCCTGAAGCATGACATTGCCCGTGTAAGAG
CTGACACCAACCAGTCCCTGGTGGAACTTTGGGGCTTATTAGACTGCCGCCGAATTACCTGTCCTGAAGG
CTGGCTGCCCTTTGAGGGCAAGTGTTACTACTTCTCCCCAAGCACCAAGTCATGGGATGAGGCCCGGATG
TTCTGCCAGGAGAATTACTCTCACTTGGTCATCATCAATAGCTTTGCTGAGCACCTTCTGGGAGCCAGAG
GAACCCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
```

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Protein Sequence:

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>RC221901 representing NM_207390
Red=Cloning site Green=Tags(s)

MHNLYSITGYPDPPGTMEEEEEDDDYENSTPPYKDLPPKPGTMEEEEEDDDYENSTPPYKDLPPKPGTME
EEEEDDDYENSTPPYKDLPPKPGSSAPPRPPRAAKETEKPPLPCKPRNMTGLDLAAVTCPPPQLAVNLEP
SPLQPSLAATPVPWLNQRSGGPGCCQKRWMVYLCLLVVTSLFLGCLGLTVTLIKYQELMEELRMLSFQQM
TWRTNMTGMAGLAGLKHDIARVRADTNQSLVELWGLLDCRRITCPEGWLPFEGKCYYFSPSTKSWDEARM
FCQENYSHLVIINSFAEHLLGARGTQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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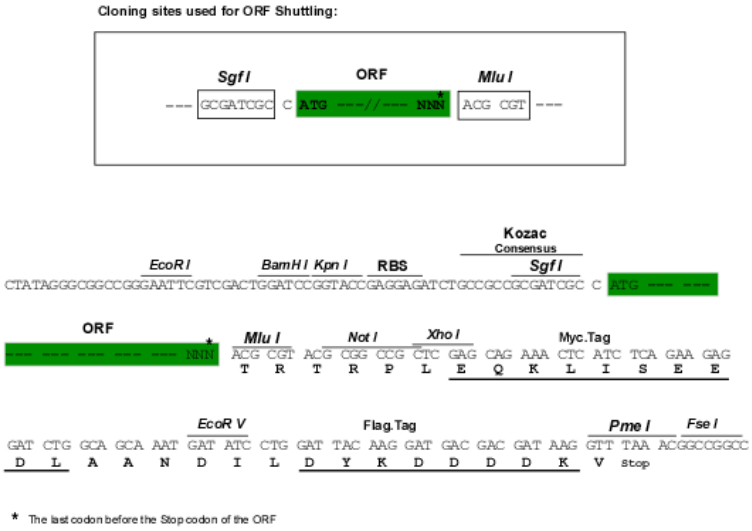
Chromatograms: https://cdn.origene.com/chromatograms/mk8014_c04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_207390

ORF Size: 918 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).

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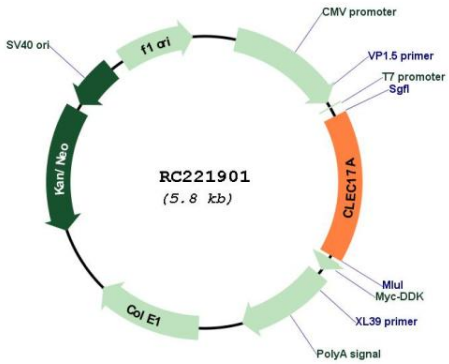
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid 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_207390.3, NP_997273.3
RefSeq Size:	2090 bp
RefSeq ORF:	921 bp
Locus ID:	388512
UniProt ID:	Q6ZS10
Cytogenetics:	19p13.12
Protein Families:	Transmembrane
MW:	32.2 kDa
Gene Summary:	Cell surface receptor which may be involved in carbohydrate-mediated communication between cells in the germinal center. Binds glycans with terminal alpha-linked mannose or fucose residues.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC221901

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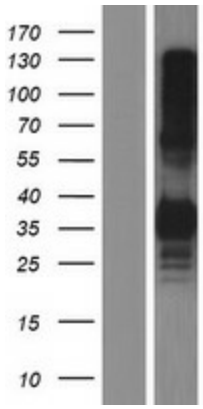
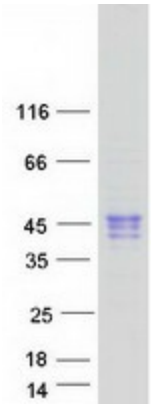


Western blot validation of overexpression lysate (Cat# [LY404001]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221901 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CLEC17A protein (Cat# [TP321901]). The protein was produced from HEK293T cells transfected with CLEC17A cDNA clone (Cat# RC221901) using MegaTran 2.0 (Cat# [TT210002]).

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