

Product datasheet for **RG200244**

CLEC4E (NM_014358) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLEC4E (NM_014358) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CLEC4E
Synonyms:	CLECSF9; MINCLE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200244 representing NM_014358 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATTCATCTAAATCATCTGAAACACAATGCACAGAGAGAGGATGCTTCTCTCCAAATGTTCTTAT
GGACTGTTGCTGGGATCCCCATCTATTTCTCAGTGCCTGTTTCATCACCAGATGTGTTGTGACATTTTCG
CATCTTTCAAACCTGTGATGAGAAAAAGTTTCAGCTACCTGAGAATTTACAGAGCTCTCCTGCTACAAT
TATGGATCAGGTTCAAGTCAAGAATTGTTGTCCATTGAACTGGGAATATTTCAATCCAGCTGCTACTTCT
TTTCTACTGACACCATTTCTGGGCGTTAAGTTTAAAGAACTGCTCAGCCATGGGGGCTCACCTGGTGGT
TATCAACTCACAGGAGGAGCAGGAATTCCTTTCTACAAGAAACCTAAAAATGAGAGAGTTTTTTATTGGA
CTGTCAGACCAGGTTGTGCGAGGGTCAGTGGCAATGGGTGGACGGCACACCTTTGACAAAGTCTCTGAGCT
TCTGGGATGTAGGGGAGCCCAACAACATAGCTACCCTGGAGGACTGTGCCACCATGAGAGACTCTTCAAA
CCCAAGGCAAAATGGAATGATGTAACCTGTTTCCTCAATTATTTTCGGATTTGTGAAATGGTAGGAATA
AATCCTTTGAACAAGGAAAATCTCTT

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG200244 representing NM_014358
Red=Cloning site Green=Tags(s)

MNSSKSSETQCTERGCFFSSQMFLWTVAGIPIFLSACFITRCVVTFRIFQTCDEKKFQLPENFTELSYCN
 YGSGSVKNCCPLNWEYFQSSCYFFSTDTISWALSLKNCSAMGAHLVVINSQEEQEFLSYKKPKMREFFIG
 LSDQVVEGQWQWVDGTP LTKSLSFWDVGE PNNIATLEDCATMRDSSNPRQNWNDVTCFLNYFRICEMVGI
 NPLNKGKSL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014358

ORF Size: 657 bp

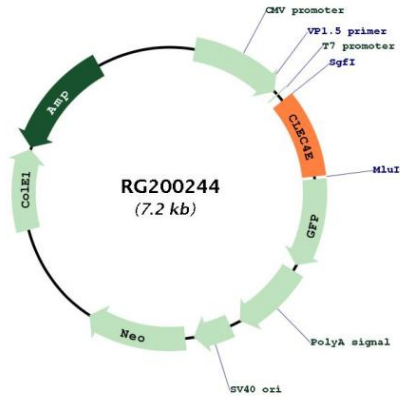
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_014358.4
RefSeq Size:	2158 bp
RefSeq ORF:	660 bp
Locus ID:	26253
UniProt ID:	Q9ULY5
Cytogenetics:	12p13.31
Domains:	CLECT
Protein Families:	Druggable Genome, Transmembrane
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 II transmembrane protein is a downstream target of CCAAT/enhancer binding protein (C/EBP), beta (CEBPB) and may play a role in inflammation. Alternative splice variants have been described but their 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 RG200244