

Product datasheet for **RG236616**

CLEC12A (NM_001300730) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLEC12A (NM_001300730) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CLEC12A
Synonyms:	CD371; CLL-1; CLL1; DCAL-2; MICL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG236616 representing NM_001300730. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCTGAAGAAGTTACTTATGCAGATCTTCAATTCAGAACTCCAGTGAGATGGAAAAATCCCAGAA
ATTGGCAAATTTGGGAAAAAGCACCTCCAGCTCCCTCTCATGTATGGCGTCCAGCAGCCTTGTTCTG
ACTCTTCTGTGCCTTCTGTTGCTCATTGGATTGGGAGTCTTGGCAAGCATGTTTCACGTAACCTTTGAAG
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CTGATGAGTAACATGAATATCTCCAACAAGATCAGGAACCTCTCCACCACACTGCAAACAATAGCCACC
AAATTATGTCGTGAGCTATATAGCAAAGAACAAGAGCACAAATGTAAGCCTTGTCGAAGGAGATGGATT
TGGCATAAGGACAGCTGTTATTTCTAAGTGATGATGTCCAAACATGGCAGGAGAGTAAATGGCCTGT
GCTGCTCAGAATGCCAGCCTGTTGAAGATAAACAAAAAATGCATTGGAATTTATAAAATCCCAGAGT
AGATCATATGACTATTGGCTGGGATTATCTCCTGAAGAAGATCCACTCGTGGTATGAGAGTGGATAAT
ATAATCAACTCCTCTGCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
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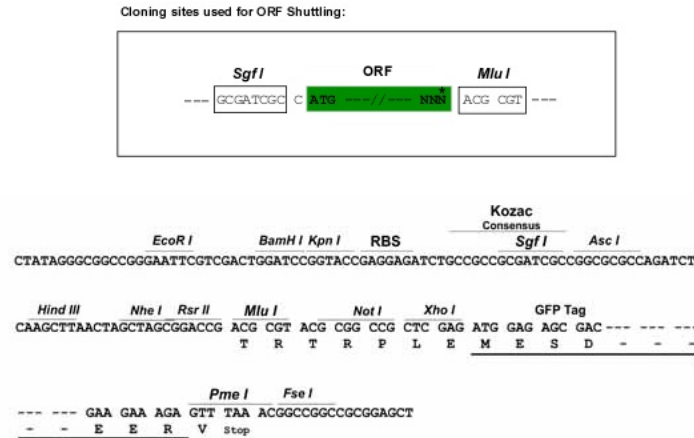
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG236616
 Blue=ORF Red=Cloning site Green=Tag(s)

MSEEVTYADLQFQNSSEMEKIPEIGKFGEKAPPAPSHVWRPAALFLTLLCLLLIIGLVLASMFHVTLK
 IEMKMMNKLQNI SEELQRNLSLQLMSNMNINSNKIRNLSTLQTIATKLCRELYSKEQEHKCKPCRRWI
 WHKDSCYFLSDDVQTWQESKMACAAQNASLLKINNKNALFEIKSQSRSYDYWLGLSPEEDSTRGMRVDN
 IINSSA
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIIGDFKVMGTGFPEP
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001300730

ORF Size: 639 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).

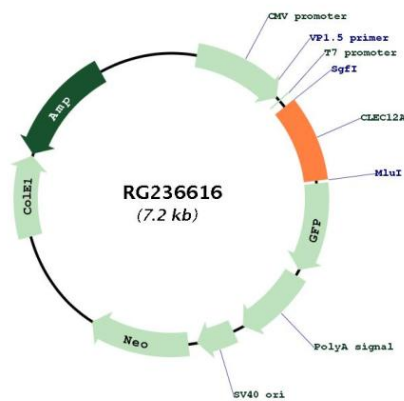
RefSeq: [NM_001300730.2](#)

RefSeq Size: 1573 bp

RefSeq ORF: 642 bp

Locus ID:	160364
UniProt ID:	Q5QGZ9
Cytogenetics:	12p13.31
Protein Families:	Druggable Genome, Transmembrane
MW:	24.9 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 signaling, glycoprotein turnover, and roles in inflammation and immune response. The protein encoded by this gene is a negative regulator of granulocyte and monocyte function. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. This gene is closely linked to other CTL/CTLD superfamily members in the natural killer gene complex region on chromosome 12p13. [provided by RefSeq, May 2011]

Product images:



Circular map for RG236616