OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG233616

CLEC12A (NM_001207010) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLEC12A (NM_001207010) 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:

>RG233616 representing NM_001207010
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGATAGATTTCTTTACATATTCATCAATGTCTGAAGAAGTTACTTATGCAGATCTTCAATTCCAGA
ACTCCAGTGAGATGGAAAAAATCCCAGAAATTGGCAAATTTGGGGAAAAAGCACCTCCAGCTCCCTCTCA
TGTATGGCGTCCAGCAGCCTTGTTTCTGACTCTTCTGTGCCTTCTGTTGCTCATTGGATTGGGAGTCTTG
GCAAGCATGTTTCACGTAACTTTGAAGATAGAAATGAAAAAAATGAACAAACTACAAAACATCAGTGAAG
AGCTCCAGAGAAATATTTCTCTACAACTGATGAGTAACATGAATATCTCCAACAAGATCAGGAACCTCTC
CACCACACTGCAAACAATAGCCACCAAATTATGTCGTGAGCTATATAGCAAAGAACAAGAGCACAAATGT
AAGCCTTGTCCAAGGAGATGGATTTGGCATAAGGACAGCTGTTATTTCCTAAGTGATGATGTCCAAACAT
GGCAGGAGAGTAAAATGGCCTGTGCTGCTCAGAATGCCAGCCTGTTGAAGATAAACAACAAAAATGCATT
GGAATTTATAAAATCCCAGAGTAGATCATATGACTATTGGCTGGGATTATCTCCTGAAGAAGATTCCACT
CGTGGTATGAGAGTGGATAATATAATCAACTCCTCTGCCTGGGTTATAAGAAACGCACCTGACTTAAATA
ACATGTATTGTGGATATATAAATAGACTATATGTTCAATATTATCACTGCACTTATAAAAAAAGAATGAT
ATGTGAGAAGATGGCCAATCCAGTGCAGCTTGGTTCTACATATTTTAGGGAGGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

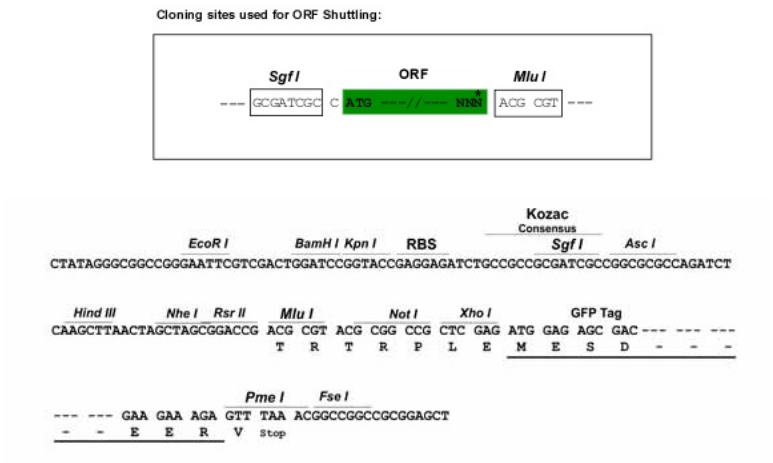
>RG233616 representing NM_001207010
Red=Cloning site Green=Tags(s)

MWIDFFTYSSMSEEVTYADLQFQNSSEMEKIPEIGKFGEKAPPAPSHVWRPAALFLTLLCLLLLIGLGVL
ASMFHVTLKIEMKKMNKLQNISEELQRNISLQLMSNMNISNKIRNLSTTLQTIATKLCRELYSKEQEHKC
KPCPRRWIWHKDSCYFLSDDVQTWQESKMACAAQNASLLKINNKNALEFIKSQSRSYDYWLGLSPEEDST
RGMRVDNIINSSAWVIRNAPDLNNMYCGYINRLYVQYYHCTYKKRMICEKMANPVQLGSTYFREA

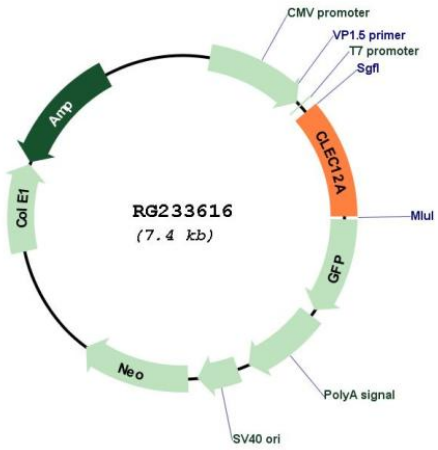
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001207010

ORF Size: 825 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.
RefSeq:	NM_001207010.2
RefSeq Size:	1492 bp
RefSeq ORF:	828 bp
Locus ID:	160364
UniProt ID:	Q5QGZ9
Cytogenetics:	12p13.31
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 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]