

Product datasheet for **RG214696**

CLEC16A (NM_015226) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLEC16A (NM_015226) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CLEC16A
Synonyms:	Gop-1; KIAA0350
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214696 representing NM_015226 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTGGCCGCTCGCGGAGCTGGGTGGGCGGGGCCATGGCAAGACTTCCCGCAACATCCACTCCTTGG
ACCACCTCAAGTATCTGTACCACGTTTTGACCAAAAACACCACAGTCACAGAACAGAACCGGAACCTGCT
AGTGGAGACCATCCGTTCCATCACTGAGATCCTGATCTGGGGAGATCAAATGACAGCTCTGATTTGAC
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GCGTTCAGCTGCTGCAGACCTTGAACATCCTCTTGAACATCAGTCACGAGACCTCACTTTATTATTT
GCTCTCAAATAACTACGTAATTCATCATCGTTCATAAATTTGACTTTTCTGATGAGGAGATTATGGCC
TATTATATATCGTTCCTGAAAACACTTTCGTTAAAACCAACAACCACACTGTCCATTTCTTTATAATG
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ATCCGAGATAAACTGCTGTTCCCTACTTCTCCAATTTGGTCTGGTTCATTGGGAGCCATGTGATCGAAC
TCGATGACTGCGTGCAGACTGATGAGGAGCATCGGAATCGGGGTAACCTGAGTGATCTGGTGGCAGAGCA
CCTAGACCACCTGCACTATCTCAATGACATCCTGATCATCAACTGTGAGTTCCTCAACGATGTGCTCACT
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AGCCCGGATGATGATTACCATGCCCTGTTCTGCTCTGCCTCCTCTATGCCATGTCTCATAATAAAGGCA
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CCCAGCCTCGTCCCTGCCCGCAGCCACCATTCCCTGCTCTGCGAGGACACGGCTGACACGCTGAGCG
TCGAATCGTGACCCTTGTCCCCCAGTTGACCCCCACAGCCTCCGACGCTCACCGCATGCCCCCGCT
GTCCACGCCGGCTGCCGCTGCACAGAGCCCGTGGCGAAGAGGCTGCATGTGCTGAGCCTGTGGGCACC
GCTGAGGAC
    
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG214696 representing NM_015226

Red=Cloning site Green=Tags(s)

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MFGRSRWVGGGHGKTSRNIHSLDHLKYLHYVLTKNNTVTEQNRNLLVETIRSITEILIWGDQNDSSVFD
FFLEKNMFVFFLNILRQKSGRYVCVQLLQTLNILFENISHETSLYLLSNNYVNSIIVHKFDFSDDEEIMA
YYISFLKTLSLKLNHTVHFFYNEHTNDFALYTEAIKFFNHPESMVRIAVRTITLNVYKVS LDNQAMLHY
IRDKTAVPYFVSNLVWFVIGSHVIELDDCVQTDDEHRNRGKLSDLVAEHL DHLHYLNDIL IINCEFLNDVLT
DHLNLNRLFLPLVYVYSLNQDKGGERPKISLPVSLYLLSQVFLIIHHAPLVNSLAEVILNGDLSEMYAKTE
QDIQRSSAKPSIRCFIKPTETLERSLEMNKHGKRRVQKRPNYKNVGEEDDEEKGPTEDAQEDA EKAKGT
EGGSKGIKTSGESEEIEMVIMERSKLSLAASSTVQE QNTTDEEKSA AATCSESTQWSRPF LDMVYHALD
SPDDDYHALFVLCLLYAMSHNKGMDPEKLERIQLPVPNAAEKTTYNHPLAERLIRIMNNA AQPDKIRLA
TLELSCLLLKQQV LMSAGCIMKDVHLACLEGAREESVHLVRHFYKGEDIFLDMFEDEYRSMTMKPMNVEY
LMDASILLPPTGTPLTGIDFVKRLPCGDVEKTRRAIRVFFMLRSLSLQLRGEPE TQLPLTREEDLIKTD
DVLDLNNSDLIACTVITKDGGMVQRFLAVDIYQMSLVEPVSRLGWGVV KFAGLLQDMQVTGVEDDSRAL
NITIHKPASSPHSKPFPILQATFIFSDHIRCIIAKQRLAKGRIQARRMKMQRIAALLDLPIQPTTEVLGF
GLGSSTSTQHL PFRFYDQGRRGSSDPTVQRSVFAVDKVPGF AVAQCIHQHSSPSLSSQSPPSASGSPSG
SGSTSHCDSGGTSSSSTPSTAQSPADAPMSP ELPKPHLPDQLVI VNETEADSKPSKNVARSA AVETASLS
PSLVPARQPTISLLCEDTADTLVSESLTLVPPVDPHSLRSLTGMPPLSTPAAACTEPVGE EAAACEPVGTA
AED
    
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TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_015226

ORF Size: 3159 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_015226.3](#)

RefSeq Size: 6786 bp

RefSeq ORF: 3162 bp

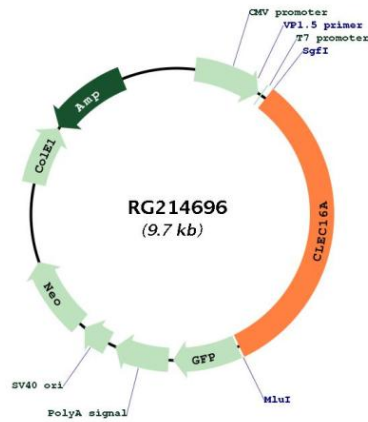
Locus ID: 23274

UniProt ID: [Q2KHT3](#)

Cytogenetics: 16p13.13

Gene Summary: This gene encodes a member of the C-type lectin domain containing family. Single nucleotide polymorphisms in introns of this gene have been associated with diabetes mellitus, multiple sclerosis and rheumatoid arthritis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]

Product images:



Circular map for RG214696