

Product datasheet for SC304263

CLEC16A (NM_015226) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | CLEC16A (NM_015226) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | CLEC16A |
| Synonyms: | Gop-1; KIAA0350 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC304263 representing NM_015226. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

```
GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTTTGGCCGCTCGCGGAGCTGGTGGGCGGGGCCATGGCAAGACTTCCCGCAACATCCACTCCTTG
GACCACCTCAAGTATCTGTACCACGTTTTGACCAAAAACACCACAGTCACAGAACAGAACCGGAACCTG
CTAGTGGAGACCATCCGTTCCATCACTGAGATCCTGATCTGGGGAGATCAAAATGACAGCTCTGTATTT
GACTTCTTCTGGAGAAGAATATGTTTGTCTTCTTGAACATCTTGGCGAAAAGTCGGGCCGTTAC
GTGTGCGTTCAGCTGCTGCAGACCTTGAACATCCTCTTTGAGAACATCAGTCACGAGACCTCACTTTAT
TATTTGCTCTCAAATAACTACGTAATTTCTATCATCGTTCATAAATTTGACTTTTCTGATGAGGAGATT
ATGGCCTATTATATATCGTTTCTGAAAACACTTTCGTTAAAACCAACAACCACACTGTCCATTTCTTT
TATAATGAGCACACCAATGACTTTGCCCTGTACACAGAAGCCATCAAGTTTTTCAACCACCTGAAAGC
ATGGTTAGAATTGCTGTAAGAACCATAACTTTGAATGTCTATAAAGTGTCTATTGGATAACCAGGCCATG
CTGCACTACATCCGAGATAAACTGCTGTTCTTACTTCTCCAATTTGGTCTGGTTCATTGGGAGCCAT
GTGATCGAACTCGATGACTGCGTGCAGACTGATGAGGAGCATCGGAATCGGGGTAACAGTGTGATCTG
GTGGCAGAGCACCTAGACCACCTGCACTATCTCAATGACATCCTGATCATCAACTGTGAGTTCCTCAAC
GATGTGCTCACTGACCACCTGCTCAACAGGCTCTTCTGCCCTCTACGTGTACTCACTGGAGAACCAG
GACAAGGGAGGAGAACGGCCGAAAATTAGCCTGCCGGTGTCTTTATCTTCTGTACAGTCTTCTTA
ATTATACATCATGCACCGCTGGTGAACCTGTTAGCTGAAGTCAATCTGAATGGTGTATCTGTCTGAGATG
TACGCTAAGACTGAACAGGATATTCAGAGAAGTCTGCCAAGCCAGCATTTCGGTCTTCATTAACCC
ACCGAGACTCGAGCGTCCCTTGAGATGAACAAGCACAAGGGCAAGAGGGGGTGC AAAAGAGACCC
AACTACAAAACGTTGGGAAGAAGAAGATGAGGAGAAAGGGCCACCGAGGATGCCAAGAAGACGCC
GAGAAGGCTAAAGGTACAGAGGGTGGTTCAAAGGCATCAAGACGAGTGGGAGAGTGAAGAGATCGAG
ATGGTGTATGAGCGTAGCAAGCTCTCAGAGCTGGCCGCCAGCACCTCCGTGCAGGAGCAGAACC
ACGGACGAGGAGAAAAGCGCCGCCACCTGCTCTGAGAGCACGAATGGAGCAGACCTTCTGGAT
ATGGTGTACCACGCGCTGGACAGCCGGATGATGATTACCATGCCCTGTCGTCTGCCTCCTAT
```



[View online »](#)

```

GCCATGTCTCATAATAAAGGCATGGATCCTGAAAAATTAGAGCGAATCCAGCTCCCCGTGCCAAATGCG
GCCGAGAAGACCACCTACAACCACCCGCTAGCTGAAAGACTCATCAGGATCATGAACAACGCTGCCAG
CCAGATGGGAAGATCCGGCTGGCGACGCTGGAGCTGAGCTGCCTGCTTCTGAAGCAGCAAGTCTGATG
AGTGCTGGCTGCATCATGAAGGACGTGCACCTGGCCTGCCTGGAGGGTGCAGAGAAGAAAGTGTTCAC
CTTGTACGACATTTTTATAAGGGAGAAGACATTTTTTGGACATGTTTGAAGATGAGTATAGGAGCATG
ACAATGAAGCCCATGAACGTGGAATATCTCATGATGGACGCCCTCCATCCTGCTGCCCCAACAGGCACG
CCACTGACGGGCAATTGACTTCGTGAAGCGGCTGCCGTGTGGCGATGTGGAGAAGACCCGGCGGCCATC
CGGGTGTTCATGCTGCGTTCCTGTCACTGCAATTGCGAGGGGAGCCTGAGACACAGTTGCCGCTG
ACTCGGGAGGAGGACCTGATCAAGACTGATGATGTCTGGATCTGAATAACAGCGACTTGATTGCATGT
ACAGTGATCACCAAGGATGGCGGCATGGTCCAGCGATTCTGGCTGTGGATATTTACCAGATGAGTTTG
GTGGAGCCTGATGTGTCCAGGCTTGGCTGGGGAGTGGTCAAGTTTGCAGGCCTATTGCAGGACATGCAG
GTGACTGGCGTGGAGGACGACAGCCGTGCCCTGAACATCACCATCCACAAGCCTGCGTCCAGCCCCAT
TCCAAGCCCTTCCCATCCTCCAGGCCACCTTCATCTTCTCAGACCACATCCGCTGCATCATCGCCAAG
CAGCGCCTGGCCAAAGGCCGCATCCAGGCAAGGCGCATGAAGATGCAGAGAATAGCTGCCCTCCTGGAC
CTCCCAATCCAGCCCACCACTGAAGTCTGGGGTTTGGACTCGGCTCCTCCACCTCCACTCAGCACCTG
CCTTTCGCTTCTACGACCAGGGGCGCCGGGGCAGCAGCGACCCACAGTGCAGCGCTCCGTGTTTGCA
TCGGTGGACAAGGTGCCAGGCTTCGCCGTGGCCAGTGCATAAACAGCAGCAGCTCCCCGTCCCTGTCC
TCACAGTGCACCCTCCGCCAGCGGGAGCCCCAGCGGCAGCGGGAGCACCAGCCACTGCGACTCTGGA
GGCACCAGCTCGTCTCCACCCCTCCACAGCCAGAGTCCAGCAGATGCCCCCATGAGTCCAGAAGTCTG
CCTAAGCCTCACCTTCTGACAGTGTGTAATCGTCAACGAAACGGAAGCAGACTCTAAGCCCAGCAAG
AACGTGGCCAGGAGCGCAGCCGTGGAGACAGCCAGCCTGTCCCCAGCCTCGTCCCTGCCGGCAGCCC
ACCATTTCCCTGCTCTGCGAGGACAGGCTGACACGCTGAGCGTGAATCGTACCCTTGTCCCCCA
GTTGACCCACAGCCTCCGAGCCTCACCGCATGCCCGCTGTCCACGCCGCTGCCGCTGCACA
GAGCCCGTGGGCGAAGAGGCTGCATGTGCTGAGCCTGTGGGCACCGCTGAGGACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
    
```

Restriction Sites:

SgfI-MluI

ACCN:

NM_015226

Insert Size:

3162 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA

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_015226.1](#)

RefSeq Size: 6891 bp

RefSeq ORF: 3162 bp

Locus ID: 23274

UniProt ID: [Q2KHT3](#)

Cytogenetics: 16p13.13

MW: 117.7 kDa

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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1).