

Product datasheet for **RG206676**

Secretory lectin ZG16 (ZG16) (NM_152338) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Secretory lectin ZG16 (ZG16) (NM_152338) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: Secretory lectin ZG16
Synonyms: JCLN; JCLN1; ZG16A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG206676 representing NM_152338
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTTGACAGTCGCTCTCCTAGCCCTTCTCTGTGCCTCAGCCTCTGGCAATGCCATTCAGGCCAGGTCTT
 CCTCTATAGTGGAGAGTATGGAAGTGGTGGTGGAAAGCGATTCTCTCATTCTGGCAACCGATTGGACGG
 CCCATCACCGCCCTCCGGTCCGAGTCAACACATACTACATCGTAGGTCTTCAGGTGCGCTATGGCAAG
 GTGTGGAGCGACTATGTGGTGGTGCACCGGAGACCTGGAGGAGATCTTCTGCACCCTGGGAATCAG
 TGATCCAGTTTCTGGGAAGTACAAGTGGTACCTGAAGAAGCTGGTATTTGTGACAGACAAGGGCCGCTA
 TCTGTCTTTGGAAAGACAGTGGCACAAGTTTCAATGCCGTCCCCTTGACCCCCAACACCGTGCTCCGC
 TTCATCAGTGGCCGGTCTGGTTCTCATCGATGCCATTGGCCTGCACTGGGATGTTACCCCACTAGCT
 GCAGCAGATGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206676 representing NM_152338
 Red=Cloning site Green=Tags(s)
 MLTVALLALLCASASGNAIQARSSSYSGEYSGGGKRFSHSGNQLDGPITALRVRVNTYYIVGLQVRYGK
 VWSDYVGGRNGDLEEIFLHPGESVIQVSGKYKWLKLVFVTDKGRYLSFGKDSGTSFNAPVLPNTVLR
 FISGRSGLIDAIGLHWDVYPTSCSRC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_152338

ORF Size: 501 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152338.2](#)

RefSeq Size: 632 bp

RefSeq ORF: 504 bp

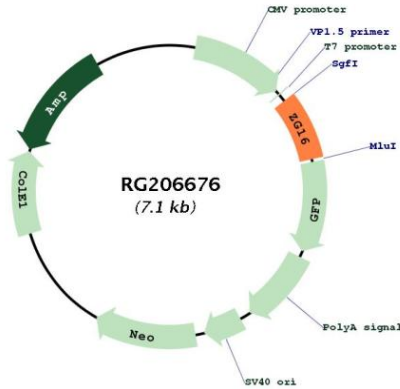
Locus ID: 653808

UniProt ID: [O60844](#)

Cytogenetics: 16p11.2

Gene Summary: May play a role in protein trafficking. May act as a linker molecule between the submembranous matrix on the luminal side of zymogen granule membrane (ZGM) and aggregated secretory proteins during granule formation in the TGN.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206676