

## Product datasheet for MC223898

### 2310035C23Rik (NM\_029349) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	2310035C23Rik (NM_029349) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	2310035C23Rik
Synonyms:	6430401N10; Kiaa1468; mKIAA1468; Relch
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223898 representing NM_029349 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCGATGGCGCCCGGAGGTGGTGGCAGTGGTAGCGGAGTAAATCCTTTCCTCAGTGATTCGGATG  
AGGACGACGACGAGGTAGCGGCAACCGAGGACCGCGGGCAGGACTTCGGCTGGGTGCCGGGTCCGGCT  
AGATCCTGGTCTGCAGGCTCCCTGTGCCACAGGACCCATGGCCCTGGGAAGCAGCGCGCGCCGGGG  
CTCGCTGTGGAGATGTCCGCCGCCCGGGCTCCGGGGGCGAGCGGGGAGACCCCTGCCGATTGTCAA  
TCGATGCCATCGCCGCTCAGCTGTGCGCGATCAATACTTGTGACCGCCCTGGAGCTGCACACCGAGCT  
GTTGGAGAGCGGCCGCGAGCTACCACGACTGCGCGATTACTTCTCCAATCCTGGCAACTTCGAGAGGCGAG  
AGTGGGACCCCCAGGGATGGGGGCGCCGGGATCCCTGGCGCCTCCATCGTCGGAGGCGCTGGAGGTC  
GGGAACCGAGTACGACGTCGGGCGGAGGACAGCTCAATCGAGCTGGGAGCATTAGTACTCTTGACTCATT  
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TGAAAAATGATGATCAGGATTTGAATTATGGGATGATGTAGGATTAACATTCCCAAACCCAGACTTG  
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GCCTATAGAGAACACCTTGCTAGTACAGAAATTAGAAGATAAAATTAGTTTATTAATAATGAAAAATGG  
TCATTGATGGAGCAAATCAGAAGGCTTGAAAGTGAGATGGACATCCTCAAAGCTGAACACTTTGCCACCC  
CAGCAGTTGGTATTCTGTTAGCCTTCTTGGTTTGGTCTTCCCAAAGGATTCTGAAGACAATAGACA  
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AGTAAAAAAGTGTATGTTAATGCTGGGACGCTGCCTGCCACACATTGTTCTAATGTGCTGTTGGCAA  
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 GCTCCTCCATATCCTCTTCAACCTGATCAAGAGGCCAGATGATGAGCAAAGGCAAATGATACTGACAGGA  
 TGTGTGGCATTTCACGTCATGTTGGACCAACAGTGTGGAGGCTGAACCTTTACCTCAGTGTGGGAAC  
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 TCCTAAAGAAATCCGTAGTTCCTGGTTCTTTCAATGTTGCAACAGATGTTAATGGAAGATAAGGCTGAT  
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 CAAGATGTGTCTACTATTATTGGAAGTCGTGAGCAATTGGCAGTGTACTACAACCTTATGATTACCAAC  
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 CTTTGGCGGACATTTGGCAAAATTTTACAACACTAAGGTAAAACCCCGATTCCAAGAGATTTTAAAGAC  
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 AACAGGAGTCTCACGTGTACATTAGGGAAGGAGACCGAAAGCTGTTAGTTGGCTTCTTGGGAAGATGTG  
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 ACCCGGCTATCATGAGCTGCTGCTAAGTCTGTGGTATGGTGTGTTGTTACTACTTCTGCAGTGTGCA  
 GTGTACTGCTGCTAGGATGTTTGGAGCTGTTGGTGAAGGGGTGAATGAGACTCTGGTAGCTCAGAGGTT  
 GTTCTGCTCTCATTACTCTCCAGTACCCTGAAATCTCTGTGAGGATTGCTACAATCCAGCATTG  
 GCACTATTATGGAACAGTTTATCAGAGAGATTGCTAGAAAGAGTGAAGATGCAGTTGGCTTCTTTCT  
 GGAAGACCCTCAGTACCAAGACCAGCATTCTTTGCATACAGAGGTCATCCGAACATTTGGCAGAGTCGGG  
 CCTAATGCAGAACCCCGTTCCGAGATGAGTTTGTATACCACATTTACATAAATTAGCCTTGGTGAACA  
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 CTGTTGTTTCATTTAGAGGATTTAATGGTAAATCACTTCTTACCTGGCCTCAGATGTTTACGGACTGAC  
 ATGGAACATCTGCTCCAGAACATGAGGTTATTTAAGTCCATGATAAAAAGATGTGAACAAAAAGTAG  
 AAAACAAGACTGTCCAAGAGCCTCCAGGCTCAATGTCAATTGCTGCAAGTTTGTGAGTGAAGACACAAA  
 GACCAAGTTTTTGAACAAAATGGGCCAGTTGACAACATCAGGTGCCATGTGGCCAATGTGTTTCAGAGA  
 AAGAAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_029349

**Insert Size:**

3579 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).

**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\\_029349.1](#), [NP\\_083625.1](#)

**RefSeq Size:** 5352 bp

**RefSeq ORF:** 3579 bp

**Locus ID:** 227446

**UniProt ID:** [Q148V7](#)

**Cytogenetics:** 1

**Gene Summary:** Regulates intracellular cholesterol distribution from recycling endosomes to the trans-Golgi network through interactions with RAB11 and OSBP. Functions in membrane tethering and promotes OSBP-mediated cholesterol transfer between RAB11-bound recycling endosomes and OSBP-bound Golgi-like membranes.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) lacks an alternate in-frame segment in the 5' CDS, compared to variant 1. The resulting protein (isoform 2) is shorter when it is compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.