

Product datasheet for **MC223984**

2310035C23Rik (NM_173187) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	2310035C23Rik (NM_173187) 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:	>MC223984 representing NM_173187 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCGATGGCGCCCGGAGGTGGTGGCAGTGGTAGCGGAGTAAATCCTTTCCTCAGTGATTCGGATG
AGGACGACGACGAGGTAGCGGCAACCGAGGACCGCGGGCAGGACTTCGGCTGGGTGCCGGGTCCGGCT
AGATCCTGGTTCGACAGCTCCCTGTGCCACAGGACCCCATGGCCCTGGGAAGCAGCGCGCGGCCGGGG
CTCGCTGTGGAGATGTCCGCCCGCCCGGGCTCCGGGGGCGAGCGGGGAGACCCCTGCCGATTGTCAA
TCGATGCCATCGCCGCTCAGCTGTTGCCGATCAATACTTGTGACCGCCCTGGAGCTGCACACCGAGCT
GTTGGAGAGCGGCGCGAGCTACCACGACTGCGCGATTACTTCTCCAATCCTGGCAACTTCGAGAGGCAG
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AGACTTTGCAAGATATTCAGATGATGGTAACAGGGAAACAGATGAAAGAGTGGCGGTCTGGAGTTTGAA
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CTTTACAGGAACGAAAAAATTATAAATCAAGTCTGAAATTCAGGAGCCAATCAAACCTCTTGAAAAAG
AGCTCTCAACTTCTAGTCAATGAGTTTTTGTAAAGAATAACTACAAGCTTACATCAATAACCTTTTCA
GATGAAAATGATGATCAGGATTTTGAATATGGGATGATGTAGGATTAACATTCCAAACCCCGAGACT
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AGTAGATGAAGATGAATTAGAGGCTCTTACACCAATTTTAGGCAACGTCCTCCAACCTTGATACTCCC
CTGCCTATAGAGAACACCTTGCTAGTACAGAAATTAGAAGATAAAATAGTTTATTAATAATGAAAAAT
GGTCATTGATGGAGCAAATCAGAAGGCTTGAAAGTGAGATGGACATCCTCAAAGCTGAACACTTTGCCAC
CCCAGCAGTTGGTGATTCTGTTCCAGCCTCCTTGGTTTGGTCTTCCAAAAGGATTCTGAAGACAATAGA
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CTGATTCCTTTATCCTAAAGAGAATTCGTGAGTTCTTCCCGGAAGGAAAGAGAAGAGCTGCCACC
TTCTTCTGTATCAATAAAACCAGCTCCATTTGATCAGCCCAATAGGAAATTGTCACCTGCTTCCAC



CAAGCACTACTCTCTTTTTGTCGAATGTCAGCAGATAGTCGGTTAGGATCAGAGGTGTCTAGGATTGCAG
ACAGTGAAAAAGTGTATGTTAATGCTGGGACGCTGCCTGCCACACATTGTTCTAATGTGCTGTTGGC
AAAAAGAGAGGAGTTGATTCCTCTCATATTGTGTACAGCATGCCTGCACCCTGAACCTAAAGAAAGAGAC
CAGCTCCTCCATATCCTCTTCAACCTGATCAAGAGGCCAGATGATGAGCAAAAGGCAAATGATACTGACAG
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CACTACTGAACAAGATTGAAAAGCTTCTCAGGGAAGGAGACACGGGCTGGACGAACACAAGCTCCACAT
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TGCAAGATGTGTCTACTATTATTGGAAGTCGTGAGCAATTGGCAGTGTACTACAACCTTTATGATTACCA
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GCAACAGGAGTCTCACGTGTTACATTCAGGAAGAGGACCGAAAGCTGTTAGTTGGCTTCTTGAAGATG
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AAACCCGGCCTATCATGAGCTGCTGCTAACTGTTCTGTGGTATGGTGTGTTCACTTCTGCACCTGTC
AGGTGTACTGCTGCTAGGATGTTGAGCTGTTGGTGAAGGGGTGAATGAGACTCTGGTAGCTCAGAGGG
TTGTTCTGCTCTCATTACTCTCAGTACCCTGAAATCTCTGTCAGGATTGCTACAATCCCAGCATT
TGGCACTATTATGGAACAGTTATTCAGAGAGAGTTGCTAGAAAGAGTGAAGATGCAGTTGGCTTCTTTC
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GGCCTAATGCAGAACCCCGTTCAGAGATGAGTTGTTATACCACATTTACATAAATTAGCCTTGGTGAA
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TCCTGTTGTTTCAATTCAGAGGATTTAATGGTAAATCACTTCTTACCTGGCCTCAGATGTTTACGGACTG
ACATGGAACATCTGTCTCCAGAACATGAGGTTATTTAAGTTCATGATAAAAGAATGTGAACAAAAAGT
AGAAAACAAGACTGTCCAAGAGCCTCCAGGCTCAATGTCAATTGCTGCAAGTTTGTGAGTGAAGACACA
AAGACCAAGTTTTTGAACAAAATGGGCCAGTTGACAACATCAGGTGCCATGCTGGCCAATGTGTTTCAGA
GAAAGAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_173187

Insert Size:

3651 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_173187.3](#), [NP_775279.2](#)

RefSeq Size: 5424 bp

RefSeq ORF: 3651 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 (1) represents the longer transcript and it encodes the longer protein (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.