

Product datasheet for **MR208080**

Ccdc132 (BC002304) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc132 (BC002304) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccdc132
Synonyms:	BLM, mKIAA1861
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208080 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTCTTAGAGAATGAGACATGGGAGCTTTGCCCTGTTAAGTCAAATTTAGCATCTTGCAGCTTCATG
 AGTTTAAATTCCTGGAACAGTCTCGCTCCCATCAGTTTCACCTAGTAAGCAGCCATCAGCAACTCTTC
 AAAGCCTATGACTTTGTTTGAGCAGTACTGCAGTGGTGGGAATCCATTTGAAATACAAGCTGACCACAAA
 GATGAAGAACTGAAGATGTCTTAGCCTCTAATGGGTATGAGTCTGATGAGCAAGAGAAGAGCGCCTATC
 AGGACTATGACAGTGACAGCGACGTCCCTGAGGAGCTGAAGCGGGATTACGTGGACGAGCAGACCGGCGA
 CGTGCCCGTGAAGAGTGTTCGAGAGACCCTGAAGAGCAGGAAGAAGTCGGATTACAGTCTAAACAAA
 GTGAATGCACCCATCTTAACAAACACAACACTGAATGTAATAAGGCTTGTGGAAAGTACATGCAGATGA
 TGAACATCCTTAAGCCAATCGCCTTTGATGTGATCCATTTATGTCTCAGCTCTTTGACTATTACTTGTA
 TGCCATATATACCTTTTTGGTCGGAATGATTCATTGGAATCAACAGGACTTGGCCTTAGTAGTAGCAGA
 CTA AAAACA AACTCTAAACAGAATTCAAGAAAGCCTTATTGACCTGGAGGGCTCAGCTGATCCA AACTGCCA
 CTCTCACAGCAGCCGAGGAAAGAAAGGAGAAGGTACCCAGCCACACCTCAATCAGCTAGTGATTTTGAC
 ATCTGGGGATACATTGTATGGGTTGGCAGAGAGAGTGGTAGCCACAGAATCCTTAGTGTTCTTGGCTGAG
 CAGTTTGAGTTCCTTCAGCCACATTTGGATGCTGTGATGCCTGCAGTCAAAAAGCCCTTCTGCAGCAGT
 TTTACTCCAGACAGTCTCAACTGCCAGTGAATGCGCAAGCCATTTACTGGATTGTGGCTGGTAAAGC
 TATTGATTATGAACAGATGCTTCTCCTAATGATGAATGTGAAGTGGGATGTCAAAGAAATCATGTACAG
 CACAACATCTATGTAGATGCATTGCTGAAGGAATTTGAGCAGTTAACAAGCGGTTAAATGAAGTTTCTA
 AGAGAGTTCGGTACCTCTGCTGTATCAAATATACTTTGGGAGCATTGTATACGATTACCTAACAGAAT
 TATTGTGGAAGGATACGCCAATGTCAAGAAATGCAGTAATGAGGGCGTGCCTTGATGCAATTGGATTTT
 CAACAGTTTTTAATGAACTCGAAAACTAACTGACATTAGACCTATTCCTGATAAAGAGTTTGTGGAAA
 CGTATATCAAAGCCTACTACCTAACTGAGAATGACATGGAGCGTTGGATCAAAGAGCACAGGGAATACTC
 AACGAAGCAGTTGACCAACCTGGTGAATGTTTGCCTAGGATCTCATATCAATAAGAAAGCAAGACAGAAG
 CTCCTAGCAGCTATAGATGAGATAGACAGGCCTAAAAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208080 protein sequence
 Red=Cloning site Green=Tags(s)

MFLNETWELCPVKS N F S I L Q L H E F K F L E Q S R S P S V S P S K Q P S A T S S K P M T L F E Q Y C S G N P F E I Q A D H K
 D E E T E D V L A S N G Y E S D E Q E K S A Y Q D Y D S D S D V P E E L K R D Y V D E Q T G D V P K S V S R E T L K S R K K S D Y S L N K
 V N A P I L T N T T L N V I R L V G K Y M Q M M N I L K P I A F D V I H F M S Q L F D Y Y L Y A I Y T F F G R N D S L E S T G L G L S S S R
 L K T T L N R I Q E S L I D L E G S A D P T A T L T A A E E R K E K V P S P H L N Q L V I L T S G D T L Y G L A E R V V A T E S L V F L A E
 Q F E F L Q P H L D A V M P A V K K P F L Q Q F Y S Q T V S T A S E L R K P I Y W I V A G K A I D Y E Q M L L L M M N V K W D V K E I M S Q
 H N I Y V D A L L K E F E Q F N K R L N E V S K R V R I P L P V S N I L W E H C I R L A N R T I V E G Y A N V K K C S N E G R A L M Q L D F
 Q Q F L M K L E K L T D I R P I P D K E F V E T Y I K A Y Y L T E N D M E R W I K E H R E Y S T K Q L T N L V N V C L G S H I N K K A R Q K
 L L A A I D E I D R P K R

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: BC002304

ORF Size: 1509 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: [BC002304](#), [AAH02304](#)

RefSeq Size: 2124 bp

RefSeq ORF: 1511 bp

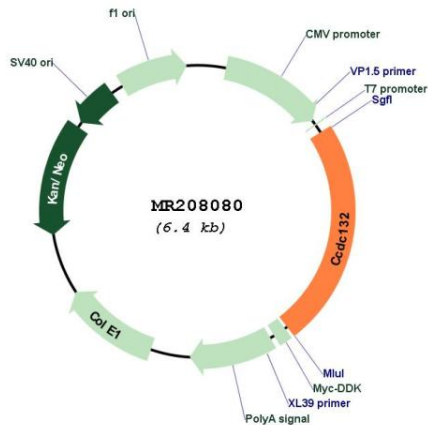
Locus ID: 73288

Cytogenetics: 6 A1

MW: 58 kDa

Gene Summary:

Acts as component of the EARP complex that is involved in endocytic recycling. The EARP complex associates with Rab4-positive endosomes and promotes recycling of internalized transferrin receptor (TFRC) to the plasma membrane. Within the EARP complex, required to tether the complex to recycling endosomes. Not involved in retrograde transport from early and late endosomes to the trans-Golgi network (TGN).[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for MR208080