

Product datasheet for **MR208540**

5830457010Rik (BC023107) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	5830457010Rik (BC023107) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	5830457010Rik
Synonyms:	5830457010Rik; Ctf8; Derpc
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208540 representing BC023107
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAGAACCCCGATTTCCTAGAGAGCGACCAACTCCTGGACTCGTGCTCCATTGCCACCTCGAG
 GACGGCTGGACGAAGGGCCTGTTATGAACGCAGGCCACCAATGGGTGTGAAGTCAAGTCACTTTCCCTTAT
 GGCAGCAGGTTCTTGGTGAAACCTGGCTCCATTTCCAAGGAATGCAGCTCCTTTTCAGAATCCATCA
 GGCTCTTTGGCGTCAAACCCAGCACACTTTGCTGCTGGTCTCGCAGCCAGGCATGACTTCTTTCCCAA
 GAGGGATGAATCCACTGGCACAGGTGCAGTTTCTTCCAAGGCCAGGAGGCCTGTTGGGACCAGGACC
 AGGACCAGGTTTAAACCTAGAACAGGGGCTTCCAGGCCAGGGCCTATGTCTAACCCAGATTAGGA
 GGGCTTCTGGACCTGGTCTATGGCCAACCAAGGGCAGGGGACTTCTGGGAGCAAGTCTGACCCTA
 GAAGTGGTGGCCCATGGTCCCTGGATGTGACCAACATGAGGGCAGGTGTTTTGTCTCTGGACTGG
 TCCTCCAATCCTAGGCCAGTTGGCTGGTCCCTGGACCAAGTCAAATCTGAGATCAAGCTTTTTAGGT
 ACAAACCCGGCCCTAGTTCGGGTATGTTTCCAGGCCAGGCCTGGGTCCAACCCACGAGCATGTGGCT
 TAGGACCAGGTCTTGGGCCAACCAAGAGCTGGTGGCTAGGCCAGGCCAAATCTGGACAACAGAGC
 AGGTGGCCTTTAGGTACAGGATCTGGTCTTAAGTAAAGAAATGGCTGGACCTCAAGGCTTAGATCTTGC
 CCCATCCTGAGGGCAGCAGGTCTTTAGGGACAAATTCAGTTTCTTTTCCAGGCTTCTGGAAACATGG
 GCACAAACCCGCCACCATGACAAGAGTACCTGGCCCATAGGTCAAACACAGGTCTAGCTCTCGAGG
 ACTTGGCTTCCAGGGCAAATCCCTCTCCATGTCAAGGGCTCCTGGCCCATGGGTCTAATTCAGCT
 CATTTCTAAGACCAGGTGGCCCATGGGGTAAATGCTGGAGTCTTCCAAGGGGACAGGATCAGGAG
 GACTGAACCCAAATGCCTTCTCAGTCTTCTGGCACATTGGCCTCAAATCCAGGCACCTTTCAGAGGTC
 TGCTGGCCTCCAGGGCTCAAATCAAGCAGTTTTTCCAAGAGCCTCTGGGCCACTAGGCCCAACCCAGCT
 AACTTTCCAAGGGCCACTGGCCTGCAGGGTCCAAGTCCAGCTGCCTTCCAAGGTCTGCTGGTCCATTAG
 GCCCAGGTCAAGTTGCTTTCCAGGTCAGCTGCGGGGCACCTGGGCTTCTCAGCAGGCCCTGTGGG
 TATCAACCCAGCTCCTTTTGAAGACCAACGGGGACCCTGGGCTTAACCCAGCTTCTTTCCAAGGATG
 AATGGCCCTGTAGGTAAGACTTTGGTCCCATTCTAGGGTAGGCAGCCTCCCTGGCTCAAATCCAGCTG
 CTTTCCAGGCCAGGGGTCCAATGGCTGCAATGTACCCAAATGGAATGTTACCCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208540 representing BC023107
 Red=Cloning site Green=Tags(s)

MKEPRIFPRERPTPWTRAPLPPRGRLDEGPVMNAGHPMGVNSDPFLMAAGSLGGNLAPFPRNAAPFQNP
 GSLASNAHFAAGARDPGMTSFPRGMNPTGTGAVSFPRPGLLGPGPGPLNPRTGALPGPGMSPNRLG
 GLPGPGMANPRAGLLGASPDPRSGPMVPGCGPNMRAGVLSSTGPPNPRPVGLGPGSPNLRSSFLG
 TNPAPRSGMFPGLGPNPRACGLGPGLPNPRAGGLGPGPNLDNRAGLLGTGSLNLRMAGPQGLDLA
 PILRAAGLLGTNSVSFSQASGNMGTNPMTTRVPGPIGPNTGPSRGLGPGPNPSPMSRAPGMPGNSA
 HFSRPGGPMGVNAGVFRGTGSGGLNPNAFSQSSGTLASNPQTFQRSAGLQGSNQAVFPRASGPLGNPA
 NFPRATGLQGSPAAFPASAGPLGPGQVAFPRSAAGHLGSSPAGPVGINPAPFARPTGTLGNPASFP
 NGPVGKTLVPFPRVGSPLGSNPAAFPRPGGPMAMYPNGMLPP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9064_c04.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: BC023107

ORF Size: 1599 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: [BC023107.1](#)

RefSeq Size: 2716 bp

RefSeq ORF: 1601 bp

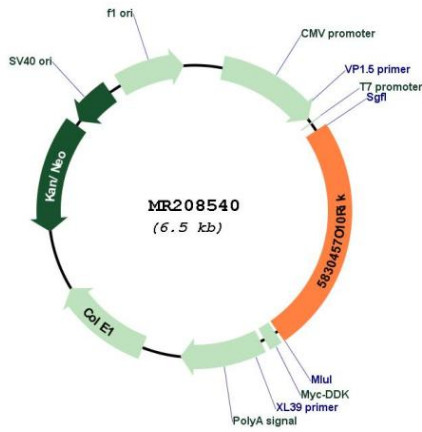
Locus ID: 214987

Cytogenetics: 8 D3

MW: 52.3 kDa

Gene Summary: Potential tumor suppressor.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208540