

Product datasheet for **MR216584**

9430007A20Rik (NM_198662) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	9430007A20Rik (NM_198662) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	9430007A20Rik
Synonyms:	Aadacl4; Gm1034
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216584 representing NM_198662 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTTACTTGGTGGGATTTCTTCTTGCACCGTGTGTCTCCTGGTCTGGGAGTCAACGTGTGGGTTCTCATAGACCACCTCCTTACGATTGATGTGCCTCCTCCATTCCACACCCTGTGAAGTTTCGGATTCTACACTTCTGCTTTCATCTGACAACCACATGGGGCATATACTCGAGAAGATGAACATTTGCTCCATGCCTCAATTTTTCTGCTTTTACAAGACAGCCTTTCATCAAAGGAGAACCATGGTGTGTTGTGAAGGACCTGCGTTTGGCACAAATCCCTGTAAGACTTTTCGTCCCAAGGCAGCCTCCCAAACCCGACGAGGCATCCTCTTTCCATGGAGGAGGAGCAATGATTGGCAGCTTGACTCTCACCAACCTGTGTACCTTCTGGCTCGAGACAGACTCAGTGTGGTGTGAGTGGGTACCGAAAGCTTCTTATTACCACCATCCTTCTATACATGACTGCATAAATGCCTCCATTCACCTTCTGAAGTCTCTGAAAGCCTATGGGATAGACCCTCCCGGTCGTGATCTGTGGAGAGCATTGGAGGTGCAGCTGCAGTTGTTGCACTCAGACCTTGTGAGTAGAACAATATCCCAAGATCCGGCTCAGGTCCTGATTTATCCAATTCGCAGGCATTTATTTCCAGTCCCATCACATCTGATGCACAAAATATCCATTCTAACAAGGATTTTCATGATTACTTGTATTTGTAATATCTGGCCATTGATTTCTCCTGAAAGATGCCATGTTGACAGGTGCCTGTATATCTCCAAGTGCCTGGAAGAATATGAGAAATGGCTAAGCCCTGACAACATCCCTAAAAGGTTTCAGGACTACATACCCAGCCACCTGAGTCACTGCACCTTTAATGAGGCTGCTTATCTAGAAACCAACATGCCATGAATATAGACATTTCTCCCTCGTAGCAGATGATAAATCATTGCTCAGCTTCTGAGGCATTCCTAGTGAAGTTCCTGAGCCTTCACTGGGACATTATCCGTGATGATGCTTGTCTATAAGAAGCGCTTGAAGACCAGGGGTTCTGTGACCTGGCATCATGTGGAGGATGGCTTTCATGGATGCATACTGTTGTTGACAAGAAGCTTTTCTCATTCCCTGTTCTTGAACATAGTGAATGCTGTAGTGAGTTATATAAGGACTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR216584 representing NM_198662
 Red=Cloning site Green=Tags(s)

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  MLYLVGFLLATVCLLVLGVNVVWVLDHFLLTIDVPPSIPHPVKFRILHFCFHLTTTWGHILEKMNICSMPO
  FFCFLQDSLSSKENHGVFVKDLRFGTIPVRLFRPKAASSKPRRGILFFHGGGAMIGSLDSSHNLCTFLAR
  ETDSVLVSVGYRKLPHYHPSLYHDCINASIHFLKSLKAYGIDPSRVVICGESIGGAAAVVVTQTLLSRT
  DIPKIRAQVLIYPILQAFYFQSPSHLMHKNIPLTKDFMITCICKYLAIDFSWKDAMLTGACISPSAWKK
  YEKWLSPDNIPKRFRTTYOPPEPAPFNAAAYLETKHAMNIDISPLVADDKIIAQLPEAFVLSLHWDIIR
  DDVLLYKKRLEDQGVPTWHHVEDGFHGICILLFDKKLFSFPCSLNIVNAVVSIIKDL
  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9071_e07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198662

ORF Size: 1221 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: [NM_198662.3](#), [NP_941064.2](#)

RefSeq Size: 1406 bp

RefSeq ORF: 1224 bp

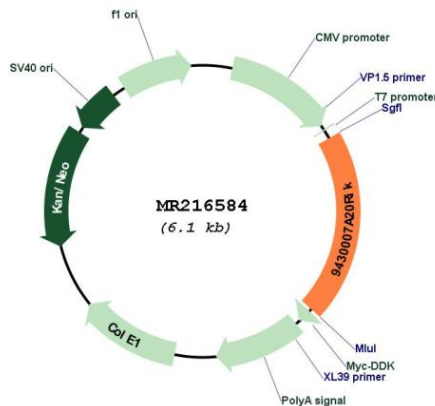
Locus ID: 381572

UniProt ID: [Q8BM81](#)

Cytogenetics: 4 E1

MW: 46.2 kDa

Product images:



Circular map for MR216584