

Product datasheet for **MR209725**

Abcg4 (NM_138955) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abcg4 (NM_138955) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Abcg4
Synonyms:	6430517O04Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR209725 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGAGAAGGCATTGGAGGCCGTGGGCTGTGGACTGGGCCCTGGGGCTGTGGCCATGGCTGTGACAC
TGGAGGACGGGGCAGAGCCCCCTGTGCTGACCACGCACCTAAAGAAGGTGGAGAACCATATCACAGAAGC
ACAGCGCTTCTCTCACCTGCCAAGCGCTCTGCTGTGGACATCGAGTTCGTGGAAGTGTCTATTCGGTG
CGGGAGGGGCCCTGCTGGCGCAAACGGGGTTACAAGACCCTCTCAAGTGCCTGTCTGGTAAATTCTGTC
GCCGAGAGCTGATTGGCATCATGGGCCCTCTGGGGCTGGCAAGTCCACATTCATGAACATCTTGGCAGG
GTACAGGGAGTCGGGGATGAAGGGGCAGATCCTGGTTAACGGGAGGCCGCGGAGCTGAGGACCTCCGC
AAGATGTCCTGCTACATCATGCAGGATGACATGCTACTGCCTCACCTCACAGTCTGGAGGCCATGATGG
TCTCTGCCAACCTGAAGCTGAGTGAGAAGCAAGAGGTGAAGAAGGAACTGGTACAGAGATCCTGACAGC
CCTGGGACTGATGCTCTCTCACACGAGGACAGCTCTGCTCTCTGGAGGGCAGAGGAAGCGCCTGGCC
ATTGCTCTGGAAGTGGTCAACAACCCCGCTGTCATGTTCTTTGATGAGCCTACCAGCGGTCTAGACAGCG
CTTCTTGTTCGAAGTGGTGTCCCTCATGAAGTCCCTGGCCCATGGGGCCGCACCGTCACTGACCCAT
CCACCAGCCCAGTGCCAAGCTCTTTGAGATGTTTGACAAGCTCTACATCCTGAGCCAGGGGCAATGCATC
TTCAAGGGCGTGGTTACCAACCTGATCCCTATCTGAAGGGGCTTGGCTTGCAGTGTCCACCTACCACA
ACCCCGCTGACTTCATCATTGAGGTGGCCTCTGGAGAGTATGGAGACCTGAACCCCATGCTGTTCAGGGC
TGTGCAGAATGGCCTTTGCACCATGGCCGAGAAGAAGAGCAGCCCTGGGAAGAATGAGCTCCCTGCCAC
TGCCCCACTTGCCTCCGGAGCTGGATCCTATTGAAAGCCACACATTTGCCACCAGCACCCCTAACCCAGT
TCTGCATCCTCTTCAGGAGGACTTTCTTGTCCATCCTCAGGGACACGGTCTGACCCACTTGGGTTTCAT
GTCACATGTGTTGATCGGCGTCCCTATTGGCCTCCTCTACCTGCACATTGGCGATGATGCCAGCAAAGTC
TTCAACAACACCCGGCTTCTCTTTTCCATGCTCTTCTCATGTTTGCAGCCCTCATGCCAGCGTGC
TCACCTTTCCCTTAGAGATGGCGGTCTTCATGAGGGAGCACTTGAAGTACTGGTATACTCTCAAAGCCTA
TTACTTGGCCAAGACCATGGCTGATGTGCCCTTCCAGGTGGTATGCCAGTGGTGTACTGCAGCATCGTG
TACTGGATGACAGGCCAGCCAGCCGAGACCAGCCGCTTCTGCTTCTCAGCCTTGCCATAGCCACCG
CCTTAGTTGCCAGTCTTTGGGACTCTTGATTGGCGCTGCCTCTACCTCCTTGCAGGTGGCCACTTTTGT
GGGCCAGTACTGCCATCCCTGTCTCTTGTCTCCGGCTTCTCGTCAGTTTCAAGACCATCCCCTACT
TACTTGAATGGAGCTCCTACCTCTCCTATGTTAGGTATGGCTTTGAGGGTCTGATCCTGACCATCTATG
GTATGGAGCGAGGACACCTGACCTGCTTAGATGAACAGTGCCCATTCGGGACCCACAAATCATTGCGG
TGAGCTGGATGTAGAGGAGGCCAAACTCTACATGGACTTCTGGTCTGGGCATTTTCTCTTGCCTG
CGGCTGCTGGCATACTTGTGCTCCGGTACCGGTCAAGTCTGAGAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209725 protein sequence
Red=Cloning site Green=Tags(s)

MAEKALEAVGCGGLGPGAVAMAVTLEDGAEPVLTTHLKKVENHITEAQRFSHLPKRSVAVDIEFVELSYSV
 REGPCWRKRKYKTLKCLSGKFCRRELIGIMGSPGAGKSTFMNILAGYRESGMKGQILVNGRPRELRTFR
 KMSCYIMQDDMLLPHLTVLEAMVVSANLKLSEKQEVKKELVTEILTALGLMSCSHTRTALLSGGQRKRLA
 IALELVNPPVMFFDEPTSGLDSASCFQVVSMLKSLAHGGRTVICIHIQPSAKLFEMFDKLYILSQGQCI
 FKGVVTNLIPLYLKGLGLHCPYHNPADFIIEVASGEYGDLPMLFRAVQNGLCTMAEKKSSPGKNELPAH
 CPTCPPELDPIESHTFATSTLTQFCILFRRTFLSILRDTVLTHLRFMSHVLIGVLIIGLLYLHIGDDASKV
 FNNTGFLFFSMLFLMFAALMPTVLTFFLEMAVFMREHLNYWYTLKAYYLAKTMADVPFQVVPVYCSIV
 YWMTGQPAETSRFLLFSALAIATALVAQSLGLLIGAASSTLQVATFVGPVTAIPVLLFSGFFVSKTIPT
 YLQWSSYLSYVRYGFEGLILTIYGMERGHLTCLDEQCPFRDPIILRELDVEEAKLYMDFLVLGIFFLAL
 RLLAYLVLRYRVKSER

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_138955

ORF Size: 1941 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_138955.3](#)

RefSeq Size: 3626 bp

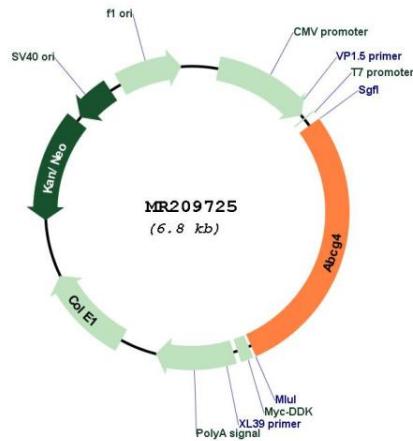
RefSeq ORF: 1941 bp

Locus ID: 192663

Cytogenetics: 9 A5.2

MW: 72.1 kDa

Product images:



Circular map for MR209725