

## Product datasheet for **MR210924**

### Abcb6 (NM\_023732) Mouse Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | Abcb6 (NM_023732) Mouse Tagged ORF Clone |
| Tag:                      | Myc-DDK                                  |
| Symbol:                   | Abcb6                                    |
| Synonyms:                 | 1200005B17Rik                            |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**ORF Nucleotide Sequence:**

>MR210924 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGACTGTGGCACTACTGCGAGACCGAAGGGCCGGGGCCCGCTTGGACTCAGAATGGCTTGA  
 GTCCCTGCTTCTTTCACGCTAGTGCCCTCGACACTCCTGACTCTGGGGTACTGGCCTTGGTGCCTGGT  
 TCTTCCCGCAGGCGTCGGGAGGTGCTGCTGGCCAGAAGAGCTGTCTTGGGCGCTGGCCCTCGGGTG  
 GCCCATATGTGCTGCAGCTGTTTCTGGCCACACTTCAGATGGCACTGCCCTGGCTGGTCTGGCTGGCC  
 GAGTGGGCACTGCTCGGGGGTCCGTCTGCCAGGCTACCTACTGCTGGCTTCTGTGCTGGAGAGTCTGGC  
 CAGCGTCTGTGGCTTGTGGCTGCTGCTGGTGGAAACGGAGCCAGGCACGGCAGAGTCTGGCAATGGGCGTC  
 TGGATGAAGTTCAGGCATAGCTTGGGTCTCTGCTCCTCTGGACTGTGACATTTGCAGCCGAGAACTTGG  
 CCCTAGTATCTTGAACAGCCCCAGTGGTGGTGGCCAGAGCAGATCTGGCCAGCAGGTTCAATTTGG  
 CCTGTGGTCTCGCTTATGTGACTCTGGAGGGCTATTTATCTTGGGGCTCTGGCCCCAGGACTTCGC  
 CCCAGTCTTACTCTACACGTTTCATGAAGAAGACCAAGATGTAGGAGGGAACAGGGCCGCTCAACAG  
 ACCGACGATCCACCTGGAGAGACCTTGGCCGGAAGCTTCGACTGCTGAGTAGTACTTGTGGCCTCGGGG  
 AAGTCCATCACTACAGCTGATAGTGCTCATATGCCTGGGACTCATGGGTTGGAACGAGCACTCAATGTG  
 TTGGTCCCATCTTCTATAGGGACATTGTGAACCTACTGACTGCGAAGGCTCCTTGGAGCTCCCTGGCCT  
 GGACCGTTACCACCTATGTCTTCTCAAGTTCCTCCAGGGGGTGGCACTGGCAGTACAGGTTTTGTGAG  
 CAACCTGCGAACCTTCTATGGATCCGGGTGCAGCAGTTACGTCCCAGGTGTGGAGTACGTCTCTTC  
 TCTCACCTGCATGAACCTCACTGCGCTGGCACCTGGCCGGCGTACCGGGGAGGTGCTTCGGATCGTGA  
 ACCGGGAACATCTAGTGTACAGGACTACTCAGCTACCTGGTGTTCAGCATCATCCCCACCTGGCTGA  
 CATCATATTGGCATCATCTACTTCAGCATGTTCTTCAATGCCTGGTTTGGCCTCATCGTGTCTCTGTGC  
 ATGAGTCTTTACCTCATCTGACTATCGTGGTACCGAGTGGAGAGCCAAGTTTCGCCGTGATATGAACA  
 CACAGGAAAACGCCACCGGGCACGAGCAGTAGACTCTCTGCTCAACTTTGAAACGGTGAATACTATGG  
 TGCCGAGGGTTATGAAGTAGACCCTATCGAGAGGCCATCCTCAAGTTTCAGGGTTTGGAGTGAAGTCA  
 ACCGCCTCACTGGTTGTGCTGAATCAGACACAGAACTGGTGATCGGGCTTGGCCTCCTTGTGCTCCT  
 TGCTTTGCGCATACTTCGTCAGTGAGCAGAAGCTACAGGTTGGGACTTTGTGCTTTTGGCACTTACAT  
 CACCCAAGTACATGCCTCTCAACTGGTTTGGCACCTACTACAGGATGATCCAGACTAAGTTCATTGAC  
 ATGGAGAACATGTTTACTTGTGAAAGAGGAGACAGAAGTGAAGGATGTTCTTGGTGCAGGGCCCTTC  
 GTTTTCATAAGGGCCGGATTGAGTTTAAAATGTGCACTTCAGCTACGCTGATGGCAGGAGACCTTACA  
 AGATGTGTCCTTCACTGTGATGCCTGGACAGACGGTGGCTCTGGTAGGTCCATCTGGGACAGAAAGAGC  
 ACAATTTTGCCTGCTATTTCCGTTCTATGACATCAGCTCTGGCTGCATCCGAATAGATGGACAGGATA  
 TTTACAGGTGACCCAGATCTCTCTCCGATCTCACATTGGAGTTGTGCCCCAGGACACTGCTCTTCAA  
 CGACACCATTTGTAACAATATCCGCTATGGCCGTGTCACAGCTGGGACAGTGAGGTAGAGGCTGCTGCT  
 CAGGCTGCAGGCATTATGATGCCATCTTGTCTTCCCTGAAGGGTATGAGACACAGGTCCGGGAGCGGG  
 GTCTGAAGCTGAGTGGTGGCGAGAAGCAGCGAGTGGCCATCGCCCGACCATCTTAAGGCTCCTGACAT  
 CATTCTGCTGGATGAGGCCACATCAGCACTGGATACATCTAATGAGAGAGCCATCCAGGCCCTCTGGCC  
 AAAGTCTGCACCAACCGCACACCATCGTCATAGCACACAGGCTCTCAACTGTGGTCAATGCTGACCAGA  
 TTCTGGTCAAGGACGGTTGCATCATAGAGAGGAAGGCACGAAGCCCTGCTGTCCCGAGGTGGCGT  
 TTATGCCGAGATGTGGCAGCTGCAGCAGCAAGGACAAGAACTGTCCCTGAAGAATCTAAACCTCAGGAC  
 ACGGCA

**ACGGT**ACGGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210924 protein sequence  
 Red=Cloning site Green=Tags(s)

MVTVGNYCETEGPAGPAWTQNLSPCFFFTLVPSTLLTLGLVALVLVLPRRRREVPAGPEELSWAAGPRV  
 APYVLQLFLATLQMALPLAGLAGRVGTARGVRLPGYLLLASVLESLASVCGLWLLVVERSQRQSLAMGV  
 WMKFRHSLGLLLLWTVTFAAENLALVSNWSPQWWARADLQQVQVQFGLWVLRVYVTSGLF ILGLWAPGLR  
 PQSYTLHVHEEDQDVGGNQGRSTDRRSTWRDLGRKLRLLSSYLWPRGSPSLQLIVL ICLGLMGLERALNV  
 LVPIFYRDI VNL L TAKAPWSSLAWTVTTYVFLKFLQGGGTGSTGFVSNLRTFLWIRVQQFTSRGVLRFL  
 SHLHEL SLRWHLGRRTGEVLRIVDRGTSSVTGLLSYL VFSI IPTLADIIIGI IYFSMFFNAWFLIVFLC  
 MSLYL I L I VVTEWRAKFRDMNTQENATRARA VDSL N FETVKYYGAEGYEVD RYREAI LKFQGLEWKS  
 TASLVVLNQTQNLVIGLGLLAGSLLCAYFVSEQKLQVGDVFLFGTYITQLYMLNWFGTYYRMIQTNFID  
 MENMFDLLKEETEVDVPGAGPLRFHKGRIEFENVHFSYADGQETLQDVSFTVMPGQTVALVGP SGAGKS  
 TILRLLFRFYDISSGCIRIDGQDISQVTQISLRSHIGVVPQD TVLFNDTIANNIRYGRVTAGDSEVEAAA  
 QAAGIHDAILSFPEGYETQVGERGLKLSGGEKQRVAIARTILKAPDIILLDEATSALDTSNERAIQASLA  
 KVCTNRTTIVIAHRLSTVYNADQILVIKDGCI IERGRHEALLSRGGVYAEMWQLQQQGTVPPEESKPQD  
 TA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

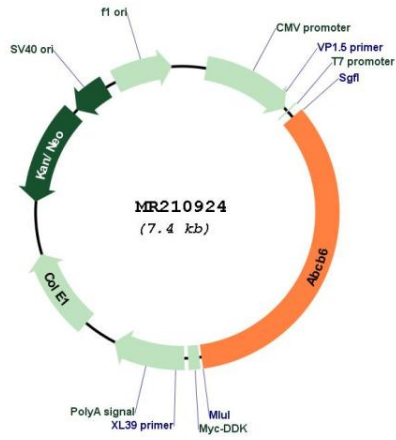
Sgfl-MluI

Cloning Scheme:



|                               |   |
|-------------------------------|---|
| <b>ACCN:</b>                  | NM_023732   |
| <b>ORF Size:</b>              | 2529 bp   |
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_023732.3</a>   |
| <b>RefSeq Size:</b>           | 2946 bp   |
| <b>RefSeq ORF:</b>            | 2529 bp   |
| <b>Locus ID:</b>              | 74104   |
| <b>UniProt ID:</b>            | <a href="#">Q9DC29</a>  |
| <b>Cytogenetics:</b>          | 1 C4  |
| <b>MW:</b>                    | 93.8 kDa  |
| <b>Gene Summary:</b>          | Binds heme and porphyrins and functions in their ATP-dependent uptake into the mitochondria. Plays a crucial role in heme synthesis.[UniProtKB/Swiss-Prot Function]   |

Product images:



Circular map for MR210924