

Product datasheet for **RG200949**

ABCB6 (NM_005689) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABCB6 (NM_005689) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ABCB6
Synonyms:	ABC; LAN; MTABC3; PRP; umat
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG200949 representing NM_005689
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGACTGTGGCAACTACTGCGAGGCCGAAGGCCCGTGGTCCGGCCTGGATGCGAGATGGCCTGA
 GTCCCTGCTTCTTCTTACGCTCGTGCCCTCGACGCGGATGGCTCTAGGACTCTGGCCTTGGTGCCTGGC
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 CCCAACAGTCTACCTGGCGAGATTTGGCAGGAAGCTCCGCCCTCTGAGTGGCTACCTGTGGCCTCGAGG
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 GAACGG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200949 representing NM_005689
Red=Cloning site Green=Tags(s)

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MVTVGNVCEAEGPVGPVWMDGLSPCFFFTLVPSSTRMALGTLALVLALPCRRRERPAGADSLSWGAGPRI
SPYVLQLLLATLQAALPLAGLAGRVGTARGAPLPSYLLLASVLESLAGACGLWLLVVERSQRARQLAMGI
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PQSYTLQVHEEDQDVERSQVRSAAQQSTWRDFGRKLRLLSGYLWPRGSPALQLVVLICLGLMGLERALNV
LVPIFYRNIVNLLTEKAPWNSLAWTVTSYVFLKFLQGGGTGSTGFVSNLRTFLWIRVQQFTSRRVELLIF
SHLHELRLRWHLRRTGEVLRRIADRGTSSVTGLLSYLVFNVIPTLADIIIGIIFYSMFFNAWFLGIVFLC
MSLYLTLTIVVTEWRTKFRAMNTQENATRARAVIDSLLNFETVKYYNAESYEVEERYEAIIKYQGLEWKS
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MENMFDLLKEETEVDLPGAGPLRFQKGRIEFENVHFSYADGRETLQDVSFTVMPGQTLALVGPSPGAGKS
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ER
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

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_005689.1](#), [NP_005680.1](#)

RefSeq Size: 2993 bp

RefSeq ORF: 2529 bp

Locus ID: 10058

UniProt ID: [Q9NP58](#)

Cytogenetics: 2q35

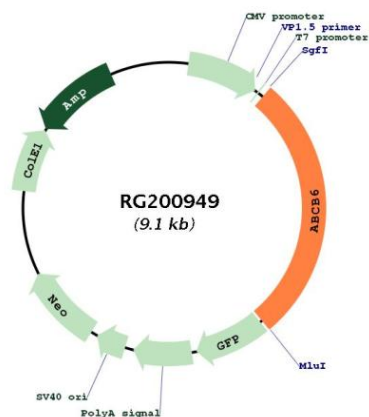
Domains: ABC_membrane, ABC_tran, AAA

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: ABC transporters

Gene Summary: This gene encodes a member of the ATP-binding cassette (ABC) transporter superfamily. ABC proteins transport various molecules across extra- and intra-cellular membranes. This protein is a member of the heavy metal importer subfamily and plays a role in porphyrin transport. This gene is the molecular basis of the Langereis (Lan) blood group antigen and mutations in this gene underlie familial pseudohyperkalemia and dyschromatosis universalis hereditaria. [provided by RefSeq, Mar 2017]

Product images:



Circular map for RG200949