

## Product datasheet for **RC226953**

### **ABCG4 (NM\_001142505) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ABCG4 (NM_001142505) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ABCG4
Synonyms:	WHITE2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC226953 representing NM\_001142505  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGAGAAGCGCTGGAGGCCGTGGGCTGTGGACTAGGGCCGGGGCTGTGGCCATGGCCGTGACGC  
 TGGAGGACGGGGCGGAACCCCTGTGCTGACCACGCACCTGAAGAAGGTGGAGAACCACATCACTGAAGC  
 CCAGCGCTTCTCCACCTACCAAGCGCTCAGCCGTGGACATCGAGTTCGTGGAGCTGTCTATTCCGTG  
 CGGGAGGGCCCTGCTGGCGCAAAGGGTTATAAGACCCTTCTCAAGTGCCTCTCAGGTAATTTGCC  
 GCCGGGAGCTGATTGGCATCATGGGCCCTCAGGGGCTGGCAAGTCTACATTCATGAACATCTTGGCAGG  
 ATACAGGGAGTCTGGAATGAAGGGCAGATCCTGGTAAATGGAAGGCCACGGGAGCTGAGGACCTCCGC  
 AAGATGTCCTGCTACATCATGAAGATGACATGCTGCTGCCGCACCTCACGGTGTGGAAGCCATGATGG  
 TCTCTGCTAACCTGAAGCTGAGTGAGAAGCAGGAGGTGAAGAAGGAGCTGGTACAGAGATCCTGACGGC  
 ACTGGGCTGATGTCGTCTCCACACGAGGACAGCCCTGCTCTCTGGCGGCAGAGGAAGCGTCTGGCC  
 ATCGCCCTGGAGCTGGTCAACAACCCGCTGTCATGTTCTTTGATGAGCCACCAGTGGTCTGGATAGCG  
 CCTCTGTTTCAAGTGGTGTCCCTCATGAAGTCCCTGGCACAGGGGGCCGTACCATCATCTGCACCAT  
 CCACCAGCCAGTGCCAAGCTCTTTGAGATGTTTGACAAGCTCTACATCCTGAGCCAGGGTCAAGTGCATC  
 TTCAAAGCGTGGTACCAACCTGATCCCTATCTAAAGGGACTCGGCTTGCAATTGCCCCACCTACCACA  
 ACCCGGCTGACTTCATCATCGAGGTGGCCTCTGGCGAGTATGGAGACCTGAACCCCATGTTGTTCAAGGC  
 TGTGCAGAATGGGCTGTGCGCTATGGCTGAGAAGAAGAGCAGCCCTGAGAAGAAGGAGTCCCTGCCCA  
 TGCCCTCCTTGTCTCCGGAAGTGGATCCCATTTGAAAGCCACACCTTTGCCACCAGCACCTCACACAGT  
 TCTGCATCCTCTCAAGAGGACCTTCTGTCCATCCTCAGGGACACGGTCTGACCCACCTACGGTTCAT  
 GTCCACGTGGTTATTGGCGTGCTCATCGCCTCCTCTACCTGCATATTGGCGACGATGCCAGCAAGGTC  
 TTCAACAACACCGGCTGCCTCTTCTTCTCCATGCTGTTCCCTCATGTTCCGCGCCCTCATGCCAAGTGTG  
 TCACCTTCCCCTTAGAGATGGCGGTCTTCATGAGGGAGCACCTCAACTACTGGTACAGCCTCAAAGCGTA  
 TTACCTGGCCAAGACCATGGCTGACGTGCCCTTTCAGGTGGTGTGTCCGGTGGTCTACTGCAGCATTGTG  
 TACTGGATGACGGGCCAGCCGCTGAGACCAGCCGCTTCTGCTTCTCAGCCCTGGCCACCGCCACCG  
 CCTTGGTGGCCAATCTTTGGGGCTGCTGATCGGAGCTGCTTCCAACCTCCCTACAGGTGGCCACTTTTGT  
 GGGCCAGTACCAGCCATCCCTGTCTTCTTCTCCGGCTTCTTTGTCAGCTTCAAGACCATCCCCTACT  
 TACCTGCAATGGAGCTCCTATCTCTCTATGTCAGGTATGGCTTTGAGGGTGTGATCCTGACGATCTATG  
 GCATGGAGCGAGGAGACCTGACATGTTTAGAGGAACGCTGCCCGTTCCGGGAGCCACAGAGCATCCTCCG  
 AGCGCTGGATGTGGAGGATGCCAAGCTCTACATGGACTTCTGGTCTTGGGCATCTTCTCTAGCCCTG  
 CGGCTGCTGGCCTACCTGTGCTGCGTTACCGGGTCAAGTCAGAGAGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



**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\\_001142505.1](#), [NP\\_001135977.1](#)

**RefSeq ORF:** 1941 bp

**Locus ID:** 64137

**UniProt ID:** [Q9H172](#)

**Cytogenetics:** 11q23.3

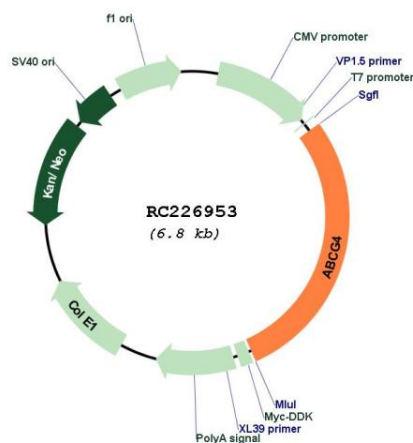
**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** ABC transporters

**MW:** 71.7 kDa

**Gene Summary:** The protein encoded by this gene is a member of the ATP-binding cassette (ABC) transporter superfamily. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). The encoded protein is a member of the White subfamily and plays an important role in cellular cholesterol homeostasis. This protein functions as either a homodimer or as a heterodimer with another ABC subfamily protein such as ABCG1. [provided by RefSeq, Jan 2017]

## Product images:



Circular map for RC226953