

Product datasheet for RC206478L3

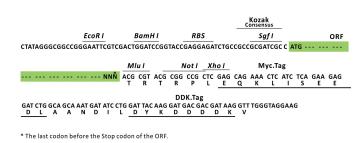
ABCG1 (NM_016818) Human Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	ABCG1 (NM_016818) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	ABCG1
Synonyms:	ABC8; WHITE1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206478).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling: Sgf 1 ORF Mlu 1 GCG ATC GC C ATG// NNN ACG CGT



ACCN: ORF Size: NM_016818 1998 bp



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OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
	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. <u>More info</u>
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 Metho	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 016818.2</u>
RefSeq Size:	2982 bp
RefSeq ORF:	2001 bp
Locus ID:	9619
UniProt ID:	<u>P45844</u>
Cytogenetics:	21q22.3
Domains:	ABC_tran, AAA
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ABC transporters
MW:	74 kDa

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Gene Summary:The protein encoded by this gene is a member of the superfamily of ATP-binding cassette
(ABC) transporters. 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). This protein is a member of the White subfamily. It is involved in
macrophage cholesterol and phospholipids transport, and may regulate cellular lipid
homeostasis in other cell types. Six alternative splice variants have been identified. [provided
by RefSeq, Jul 2008]

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