

## Product datasheet for **TP306478L**

### **ABCG1 (NM\_016818) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human ATP-binding cassette, sub-family G (WHITE), member 1 (ABCG1), transcript variant 2, 1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC206478 representing NM_016818 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MACLMAAFSVGTAMNASSYSAEMTEPKSVCVSVDEVSSNMEATETDLLNGHLKKVDNNLTEAQRFFSLP  
RRAAVNIEFRDLSYSVPEGPWWRRKKGYKTLLKGISGKFNSGELVAIMGPSGAGKSTLMNLAGYRETGMK  
GAVLINGLPRDLRCFRKVSCYIMQDDMLLPHLTVQEAMMVAHLKLQEKDEGRREMVKELTALGLLSCA  
NTRTGSLSGGQRKRLAIALELVNPPVMMFFDEPTSGLDSASCFQVWSLMKGLAQGGRSIICHTIHQPSAKL  
FELFDQLYVLSQGQCVRGKVCNLPYLRDLGLNCPTYHNPADFVMEVASGEYGDQNSRLVRAVREGMCD  
SDHKRDLGGDAEVPFLWHRPSEEDSSSMEGCHSFSASCLTQFCILFKRTFLSIMRDSVLTHLRITSHIG  
IGLLIGLLYLGIGNEAKKVLNSGFLFFSMLFLMFAALMPTVLTFFLEMVFLREHLNYWYSLKAYYAK  
TMADVPFQIMFPVAYCSIVYWMTSQPSDAVRFVLAALGTMVSLVAQSLGLLIGAASTSLQVATFVGPVT  
AIPVLLFSGFFVSFDTIPTYLQWMSYISYVRYGFEGVILSIYGLDREDLHCDIDETCHFQKSEAILRELD  
VENAKLYLDFIVLGIFFISLRLIAYFVRLRYKIRAER

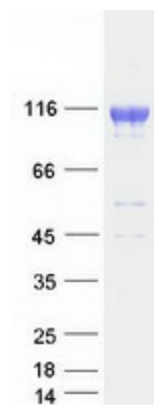
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	74 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_058198</a>
<b>Locus ID:</b>	9619
<b>UniProt ID:</b>	<a href="#">P45844</a>
<b>RefSeq Size:</b>	2982
<b>Cytogenetics:</b>	21q22.3
<b>RefSeq ORF:</b>	1998
<b>Synonyms:</b>	ABC8; WHITE1
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	ABC transporters

**Product images:**

Coomassie blue staining of purified ABCG1 protein (Cat# [TP306478]). The protein was produced from HEK293T cells transfected with ABCG1 cDNA clone (Cat# [RC206478]) using MegaTran 2.0 (Cat# [TT210002]).