

Product datasheet for **TP306478M**

ABCG1 (NM_016818) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ATP-binding cassette, sub-family G (WHITE), member 1 (ABCG1), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206478 representing NM_016818 Red =Cloning site Green =Tags(s)

MACLMAAFSVGTAMNASSYSAEMTEPKSVCVSVDEVSSNMEATETDLLNGHLKKVDNNLTEAQRFFSLP
RRAAVNIEFRDLSYSVPEGPWWRRKKGYKTLKLGISGKFNSGELVAIMGPSGAGKSTLMNLAGYRETGMK
GAVLINGLPRDLRCFRKVCYIMQDDMLLPHLTVQEAMMVAHLKLQEKDEGRREMVKILTALGLLSCA
NTRTGSLSGGQRKRLAIALELVNPPVMMFFDEPTSGLDASCFQVWSLMKGLAQGGRSIICHTIHQPSAKL
FELFDQLYVLSQGQCVRGKVCNLPYLRDLGLNCPTYHNPADFVMEVASGEYGDQNSRLVRAVREGMCD
SDHKRDLGGDAEVPFLWHRPSEEDSSSMEGCHSFSASCLTQFCILFKRTFLSIMRDSVLTHLRITSHIG
IGLLIGLLYLGIGNEAKKVLNSGFLFFSMLFLMFAALMPTVLTFFLEMVFLREHLNYWYSLKAYYAK
TMADVPFQIMFPVAYCSIVYWMTSQPSDAVRFVLAALGTMVSLVAQSLGLLIGAASTSLQVATFVGPVT
AIPVLLFSGFFVSFDTIPTYLQWMSYISYVRYGFEGVILSIYGLDREDLHCDIDETCHFQKSEAILRELD
VENAKLYLDFIVLGIFFISLRLIAYFVRLRYKIRAER

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

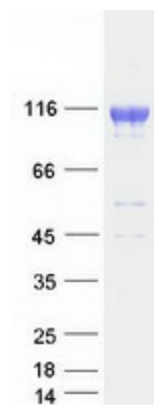
Tag:	C-Myc/DDK
Predicted MW:	74 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity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



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