

Product datasheet for PH306478

ABCG1 (NM_016818) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ABCG1 MS Standard C13 and N15-labeled recombinant protein (NP_058198)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206478
Predicted MW:	74 kDa
Protein Sequence:	>RC206478 representing NM_016818 Red=Cloning site Green=Tags(s)

MACLMAAFSVGTAMNASSYSAEMTEPKSVCVSVDEVSSNMEATEITDLLNGHLKKVDNNL TEAQRFSSLP
RRAAVNIEFRDLSYSVPEGPWWRKKGYKTLLKGISGKFNSELVAIMGPSGAGKSTLMNLAGYRETGMK
GAVLINGLPRDLRCFRKVSICYIMQDDMLLPHLTVQEAMMVAHLKLQEKDEGRREMVKEILTALGLLSCA
NTRTGSLSGGQRKRLAIALELVNPPVMFFDEPTSGLDSASCFQVVSMLKGLAQGGRSIICTIHQPSAKL
FELFDQLYVL SQQQCVRGKVCNLVPYLRDLGLNCPTYHNPADFVMEVASGEYGDQNSRLVRAVREGMCD
SDHKRDLGGDAEVPFLWHRPSEEDSSSMEGCHSFASCLTQFCILFKRTFLSIMRDSVLTHLRITSHIG
IGLLIGLLYLIGIGNEAKKVLNSGFLFFSMLFLMFAALMPTVLTFFLEMGVFLREHLNYWYSLKAYYLAK
TMADVFPQIMFPVAYCSIVYWMTSQPSDAVRFVLF AALGTMTSLVAQSLGLLIGAASSTLQVATFVGPVT
AIPVLLFSGFFVSFDTIPTYLQWMSYISYVRYGFEGVILSIYGLDREDLHCDIDETCHFQKSEAILRELD
VENAKLYLDFIVLGIFFI SLRLIAYFVLRKIRAER

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_058198
RefSeq Size:	2982



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RefSeq ORF: 1998

Synonyms: ABC8; WHITE1

Locus ID: 9619

UniProt ID: [P45844](#)

Cytogenetics: 21q22.3

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]).