

Recombinant Human ABCG1 Protein, GST-Tagged

Cat. No. ABCG1-063H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ABCG1 full-length ORF (NP_004906.3, 1 a.a. - 678 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	102 kDa
AA Sequence	MACLMAAFSVGTAMNASSYSAEMTEPKSVCVSVDEVVSSNMEATETDLLNGHLKK VDNNLTEAQRFFSSLPRRAAVNIEFRDLSYSVPEGPWWRKKGKYLTKGISGKFNSG ELVAIMGPSGAGKSTLMNLAGYRETGMKGAVLINGLPRDLRCFRKVSCYIMQDDML LPHLTVQEAMMVSAHLKLQEKDEGRREMVKEILTALGLLSCANTRTGSLSGGQQRKR LAIALELVNNPPVMFFDEPTSGLDASCFQVVSMLMKGLAQGGRSIICTIHQPSAKLFE LFDQLYVLSQGQCVYRGKVCNLVPYLRDLGLNCPTYHNPADFMVASGEYGDQN SRLVRVREGMCDSDHKRDLGGDAEVPFLWHRPSEEVKQTKRLKGLRKDSSSM

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EGCHSFSASCLTQFCILFKRTFLSIMRDSVLTHLRITSHIGIGLLIGLLYLIGIGNEAKKVL
 SNSGFLFFSMLFLMFAALMPTVLTFFLEMGVFLREHLNYWYSLKAYYLAKTMADVPF
 QIMFPVAYCSIVYWMTSQPSDAVRFLFAALGTMTSLVAQSLGLLIGAASTSLQVATF
 VGPVTAIPVLLFSGFFVSFDTIPTYLQWMSYISYVRYGFEGVILSIYGLDREDLHCDID
 ETCHFQKSEAILRELDVENAKLYLDFIVLGIFFISLRLIAYFVLRKYKIRAER

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ABCG1 ATP-binding cassette, sub-family G (WHITE), member 1 [Homo sapiens]

Official Symbol

ABCG1

Synonyms

ABCG1; ATP-binding cassette, sub-family G (WHITE), member 1; ATP-binding cassette sub-family G member 1; ABC8; ATP binding cassette transporter 8; ABC transporter 8; homolog of Drosophila white; ATP-binding cassette transporter 8; ATP-binding cassette transporter member 1 of subfamily G; white protein homolog (ATP-binding cassette transporter 8); WHITE1; MGC34313;

Gene ID

9619

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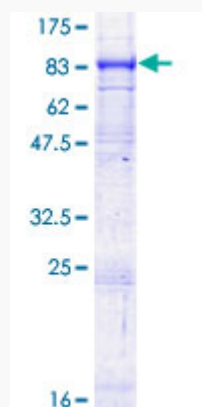
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mRNA Refseq [NM_004915](#)

Protein Refseq [NP_004906](#)

MIM [603076](#)

UniProt ID [P45844](#)



12.5% SDS-PAGE Stained with Coomassie Blue.

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