

Recombinant Full Length Human ABCG1 Protein, GST-tagged

Cat. No. ABCG1-781HF **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	In Vitro Cell Free System
ProteinLength	678 amino acids
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	<p>MACLMAAFSV GTAMNASSYS AEMTEPKSVC VSVDEVVSSN MEATETDLLN GHLKKVDNNL TEAQRFSLLP RRAAVNIEFR DLSYSVPEGP WWRKKGYKTL LKGISGKFNS GELVAIMGPS GAGKSTLMNI LAGYRETGMK GAVLINGLPR DLRCFRKVSC YIMQDDMLLP HLTVQEAMMV SAHLKLQEKD EGRREMVKEI LTALGLLSCA NTRTGSLSGG QRKRLAIALE LVNNPPVMFF DEPTSGLDSA SCFQVVSLMK GLAQGGRSII CTIHQPSAKL FELFDQLYVL SQGQCVYRGK</p>

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VCNLVPYLRD LGLNCPTYHN PADFVMEVAS GEYGDQNSRL VRVREGMCD
 SDHKRDLGGD AEVNPFLWHR PSEEVKQTKR LKGLRKDSSS MEGCHSFSAS
 CLTQFCILFK RTFLSIMRDS VLTHLRITSH IGIGLLIGLL YLGIGNEAKK
 VLSNSGFLFF SMLFLMFAAL MPTVLTFFLE MGVFLREHLN YWYSLKAYYL
 AKTMADVPFQ IMFPVAYCSI VYWMTSQPSD AVRFVLFAAL GTMTSLVAQS
 LGLLIGAAST SLQVATFVGP VTAIPVLLFS GFFVSFDTIP TYLQWMSYIS
 YVRYGFEGVI LSIYGLDRED LHCDIDETCH FQKSEAILRE LDVENAKLYL
 DFIVLGIFFI SLRLIAYFVL RYKIRAER

Applications

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

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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mRNA Refseq	NM_004915
Protein Refseq	NP_004906
MIM	603076
UniProt ID	P45844

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