

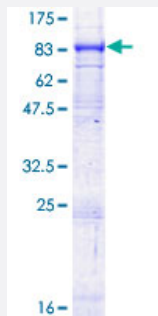
Full-Length

ABCG1 (Human) Recombinant Protein (P01)

Catalog # H00009619-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ABCG1 full-length ORF (NP_004906.3, 1 a.a. - 678 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MACLMAAFSVGTAMNASSYSAEMTEPKSVCVSVDEVVSSNMEATETDLLNGHLKKVDNNLTEA
QRFSSLPRAAVNIEFRDLSYSVPEGPWWRKKGKYTLLKGISGKFNSGELVAIMGPSGAGKSTLM
NILAGYRETGMKGAVLINGLPRDLRCFRKVSCYMQDDMLLPHLTVQEAMMVSAHLKLQEKDEGR
REMVKEILTALGLLSCANTRTGSLSGGQQRKRLAIALELVNNPPVMFFDEPTSGLDSASCFQVVS
MKGLAQGGRSIICTIHQPSAKLFELFDQLYVLSQGGCVYRGKVCNLVPYLRDLGLNCPTYHNPADF
VMEVASGEYGDQNSRLVRVREGMCDSDHKRDLGGDAEVPFLWHRPSEEVKQTKRLKGLRK
DSSSMEGCHSFSASCLTQFCILFKRTFLSIMRDSVLTHLRITSHIGIGLLIGLLYLIGIGNEAKKVLNS
GFLFFSMLFLMFAALMPTVLTPLFMGVFLREHLNYWYSLKAYYLAKTMAADVFPQIMFPVAYCSM
YWMTSQPSDAVRVFLFAALGTMTSLVAQSLGLLIGAAASTSLQVATFVGPVTAIPVLLFSGFFVSFD
TIPTYLQWMSYISYVRYGFEGVILSIYGLDREDLHCDIDETCHFQKSEAILRELDVENAKLYLDFMVLGI
FFISRLIAYFVLRYKIRAER

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

102

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — ABCG1

Entrez GeneID [9619](#)

GeneBank Accession# [NM_004915.3](#)

Protein Accession# [NP_004906.3](#)

Gene Name ABCG1

Gene Alias ABC8, MGC34313, WHITE1

Gene Description ATP-binding cassette, sub-family G (WHITE), member 1

Omim ID [603076](#)

Gene Ontology [Hyperlink](#)

Gene 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]

Other Designations ABC transporter 8|ATP-binding cassette sub-family G member 1|ATP-binding cassette transporter 8|ATP-binding cassette transporter member 1 of subfamily G|OTTHUMP00000109322|homolog of Drosophila white|white protein homolog (ATP-binding cassette transporter

Pathway

- [ABC transporters](#)

Disease

- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Hyperlipidemias](#)
- [Kidney Failure](#)
- [Personality Inventory](#)