

Recombinant Full Length Human ABCG4 Protein, GST-tagged

Cat. No. ABCG4-797HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ABCG4 full-length ORF (AAH41091, 1 a.a. - 646 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	646 amino acids
Description	The protein encoded by this gene is a member of the ATP-binding cassette (ABC) transporter superfamily. 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). The encoded protein is a member of the White subfamily and plays an important role in cellular cholesterol homeostasis. This protein functions as either a homodimer or as a heterodimer with another ABC subfamily protein such as ABCG1. [provided by RefSeq, Jan 2017]
Molecular Mass	96.8 kDa
AA Sequence	MAEKALEAVG CGLGPGAVAM AVTLEDGAEP PVLTTHLKKV ENHITEAQR SHLPKRSADV IEFVELSYSV REGPCWRKRG YKTLLKCLSG KFCRRELIGI MGPSGAGKST FMNILAGYRE SGMKGQILVN GRPRELRTFR KMSCYIMQDD MLLPHLTVLE AMMVSANLKL SEKQEVKKEL VTEILTALGL MSCSHTRTAL LSGGQRKRLA IALELVNNPP VMFFDEPTSG LDSASCFQVV SLMKSLAQGG RTIICTIHQP SAKLFEMFDK LYILSQGQCI FKGVVNTNLP YLKGLGLHCP

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TYHNPADFII EVASGEYGDL NPMLFRAVQN GLCAMAEEKS SPEKNEVPAP
 CPPCPPEVDP IESHTFATST LTQFCILFKR TFLSILRDTV LTHLRFMSHV
 VIGVLIGLLY LHIGDDASKV FNNTGCLFFS MLFLMFAALM PTVLTFPLEM
 AVFMREHLNY WYSLKAYYLA KTMADVPFQV VCPVYCSIV YWMTGQPAET
 SRLLFSALA TATALVAQSL GLLIGAASNS LQVATFVGVPV TAIPVLLFSG
 FFVSFKTIPT YLQWSSYLSY VRYGFEGVIL TIYGVERGDL TCLEERCPFR
 EPQSILRALD VEDAKLYMDF LVLGIFFLAL RLLAYLVRLY RVKSER

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

ABCG4 ATP-binding cassette, sub-family G (WHITE), member 4 [Homo sapiens]

Official Symbol

ABCG4

Synonyms

WHITE2

Gene ID

64137

mRNA Refseq

NM_022169

Protein Refseq

NP_071452

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MIM	607784
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UniProt ID	Q9H172
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