

## Recombinant Human ABCG8 293 Cell Lysate

**Cat. No.** ABCG8-9141HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for ATP-binding cassette, sub-family G (WHITE), member 8 (ABCG8) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
<b>Components</b>	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
<b>Applications</b>	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

<b>Gene Name</b>	ABCG8 ATP-binding cassette, sub-family G (WHITE), member 8 [ Homo sapiens ]
<b>Official Symbol</b>	ABCG8
<b>Synonyms</b>	ABCG8; ATP-binding cassette, sub-family G (WHITE), member 8; ATP binding cassette, sub family G (WHITE), member 8 (sterolin 2); ATP-binding cassette sub-family G member 8; gallbladder disease 4; GBD4; sterolin 2; sterolin-2; ATP-binding cassette, subfamily G, member 8; STSL; MGC142217;
<b>Gene ID</b>	64241
<b>mRNA Refseq</b>	NM_022437
<b>Protein Refseq</b>	NP_071882
<b>MIM</b>	605460
<b>UniProt ID</b>	Q9H221
<b>Chromosome Location</b>	2p21
<b>Pathway</b>	ABC transporters, organism-specific biosystem; ABC transporters, conserved biosystem; ABC-family proteins mediated transport, organism-specific biosystem; ABCA transporters in lipid homeostasis, organism-specific biosystem; Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Fat digestion and absorption, organism-specific biosystem;

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**Function**

contributes\_to ATP binding; contributes\_to ATPase activity; contributes\_to cholesterol transporter activity; protein heterodimerization activity;

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