

Recombinant Human ABCB7 Protein, N-His-tagged

Cat. No. ABCB7-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ABCB7 Protein, fused to His-tag at N-terminus, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	431-752 aa
Description	The membrane-associated 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 MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance as well as antigen presentation. This gene encodes a half-transporter involved in the transport of heme from the mitochondria to the cytosol. With iron/sulfur cluster precursors as its substrates, this protein may play a role in metal homeostasis. Mutations in this gene have been associated with mitochondrial iron accumulation and isodilcentric (X)(q13) and sideroblastic anemia. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Form	50 mM Tris-HCl, pH 8.0, 8 M urea.
Molecular Mass	35.8 kDa

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AA Sequence	A DNA sequence encoding the region(Val431-End) of ABCB7
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>0.05 µg/µl as determined by microplate BCA method.
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	ABC transporters

GENE INFORMATION

Gene Name	ABCB7 ATP binding cassette subfamily B member 7 [Homo sapiens (human)]
Official Symbol	ABCB7
Synonyms	ABC7; ASAT; Atm1p; EST140535
Gene ID	22
mRNA Refseq	NM_004299.6
Protein Refseq	NP_004290.2

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MIM	300135
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UniProt ID	O75027
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SDS-PAGE	
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