

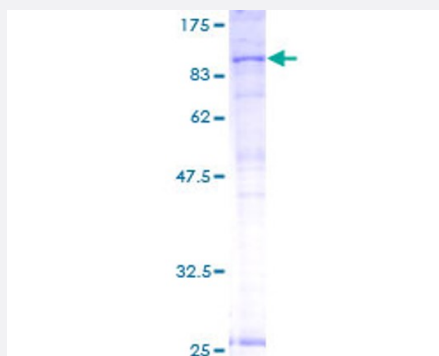
Full-Length

## ABCB7 (Human) Recombinant Protein (P01)

Catalog # H00000022-P01

Size 25 ug, 10 ug

### Applications



### Specification

#### Product Description

Human ABCB7 full-length ORF ( AAH06323, 39 a.a. - 753 a.a.) recombinant protein with GST-tag at N-terminal.

#### Sequence

PQWRPHQLGALGTARAYQQIPESLKSITWQRLGKGNSSGQFLDAAKALQVWPLIEKRTCWHGHAG  
 GGLHTDPKEGLKDVDTRKIIKAMLSYVWPKDRPDLRARVAISLGFLGGAKAMNIVVPFMFKYAVD  
 SLNQMSGNMLNLSDAPNTVATMATAVLIGYVSRAGAAFFNEVRNAVFGKVAQNSIRRIAKNVFL  
 HLHNLDLGFHLSRQTGALSKAIDRGRGIFVLSALVFNLLPIMFEVMLVSGVLYKCGAQFALVTL  
 GTLGTYTAFTVAVTRWRTRFRIEMNKADNDAGNAAIDSLNLYETVKYFNENERYEAQRYDGFLLKTYE  
 TASLKSTSTLAMLNFGQSAIFSVGLTAIMVLASQGVAGTLTVGDLVMVNGLLFQLSLPLNFLGTVY  
 RETRQALIDMNTLFTLLKVDTQIKDKVMASPLQITPQTATVAFDNVHFEYIEGQKVLSGISFEVPAGK  
 KVAIVGGSGSGKSTVRLFRFYEPQKGSYLAGQNIQDVSLESRRRAVGVVPQDAVLFHNTIYVLL  
 YGNISASPEEVYAVAKLAGLHDAILRMPHGYDTQVGERGLKLSGGGEKQRVAIARAILKDPPIVLYDE  
 ATSSLDSITEETILGAMKDVKHRTSIFIAHRLSTVVDADIEIVLDQGKVAERGTHHGLLANPHSIYSE  
 MWHTQSSRVQNHDPKWEAKKENISKEEERKKLQEEVNSVKGCGNCSC

#### Host

Wheat Germ (in vitro)

#### Theoretical MW (kDa)

104.39

#### Interspecies Antigen Sequence

Mouse (93)

#### Preparation Method

[in vitro wheat germ expression system](#)

<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	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 — ABCB7

<b>Entrez GeneID</b>	<a href="#">22</a>
<b>GeneBank Accession#</b>	<a href="#">BC006323</a>
<b>Protein Accession#</b>	<a href="#">AAH06323</a>
<b>Gene Name</b>	ABCB7
<b>Gene Alias</b>	ABC7, ASAT, Atm1p, EST140535
<b>Gene Description</b>	ATP-binding cassette, sub-family B (MDR/TAP), member 7
<b>Omim ID</b>	<a href="#">300135</a> <a href="#">301310</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

**Gene Summary**

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 implicated in X-linked sideroblastic anemia with ataxia. [provided by RefSeq]

**Other Designations**

ATP-binding cassette 7|ATP-binding cassette, sub-family B, member 7|OTTHUMP00000023578

**Pathway**

- [ABC transporters](#)