

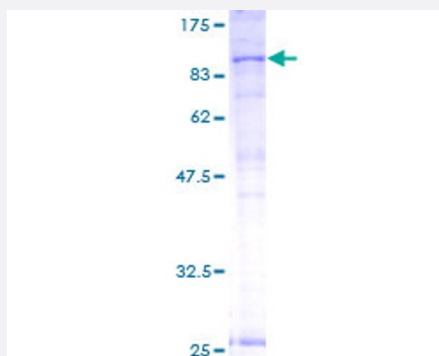
Full-Length

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
 SLNQMSGNMLNLSAPNTVATMATAVLIGYVSRAGAAFFNEVRNAVFGKVAQNSIRRIAKNVFL
 HLHNLDLGFHLSRQTGALSKAIDRGRGIFVLSALVFNLLPIMFEVMLVSGVLYKCGAQFALVTL
 GTLGTYTAFTVAVTRWRTRFRIEMNKADNDAGNAIDSLLNYETVKYFNENERYEAQRYDGFLLKTYE
 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](#)

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 — ABCB7

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

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](#)