

Recombinant Human ABCB11 Protein, His6ABP-tagged

Cat. No. ABCB11-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein fragment of Human ABCB11 with N-terminal His6ABP (ABP = Albumin Binding Protein derived from Streptococcal Protein G) fusion tag was expressed in E. coli.
Species	Human
Source	E.coli
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. The protein encoded by this gene is the major canalicular bile salt export pump in man. Mutations in this gene cause a form of progressive familial intrahepatic cholestases which are a group of inherited disorders with severe cholestatic liver disease from early infancy.
Form	Buffered aqueous solution
Molecular Mass	33 kDa
AA Sequence	RLSTVRAADTIIGFEHGTAVERGTHEELLERKGVYFTLVTLQSQGNQALNEEDIKDAT EDDMLARTFSRGSYQDSLRSIRQRSKSQLSYLVHEPPLAVVDHKSTYEEDRKDKDI PVQEEVEPAPVRRILK

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 80% by SDS-PAGE
Applications	Suitable as a blocking agent using corresponding antibodies.
Usage	The protein solution should be gently mixed before use. Optimal concentrations and conditions for each application should be determined by the user.
Storage	At -20 centigrade.
Concentration	≥0.5 mg/mL
Storage Buffer	Solution in 1 M urea-PBS, pH 7.4
Shipping	Wet ice.

GENE INFORMATION

Gene Name	ABCB11 ATP binding cassette subfamily B member 11 [Homo sapiens (human)]
Official Symbol	ABCB11
Synonyms	ABCB11; ATP binding cassette subfamily B member 11; BSEP; PGY4; SPGP; ABC16; BRIC2; PFIC2; PFIC-2; bile salt export pump; ABC member 16, MDR/TAP subfamily; ATP-binding cassette sub-family B member 11; ATP-binding cassette, sub-family B (MDR/TAP), member 11; progressive familial intrahepatic cholestasis 2; sister p-glycoprotein
Gene ID	8647
mRNA Refseq	NM_003742

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Protein Refseq	NP_003733
MIM	603201
UniProt ID	O95342

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