

Recombinant Human ABCB5 Protein

Cat. No. ABCB5-039H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ABCB5 full-length ORF (ADR83259.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
Description	ABCB5 belongs to the ATP-binding cassette (ABC) transporter superfamily of integral membrane proteins. These proteins participate in ATP-dependent transmembrane transport of structurally diverse molecules ranging from small ions, sugars, and peptides to more complex organic molecules (Chen et al., 2005 [PubMed 15760339]).[supplied by OMIM, Mar 2008]
Molecular Mass	89.4 kDa
AA Sequence	MVDENDIRALNVRHYRDHIGVVSQEPVLFGTTISNNIKYGRDDVTDEEMERAAREAN AYDFIMEFPNKFNTLVGEKGAQMSGGQKQRIAIARALVRNPKILILDEATSALDSESK SAVQAALKASKGRRTIVVAHRLSTIRSADLIVTLKDGMLAEKGAAHAELMAKRGLYYS LVMSQDIKKADEQMESMTYSTERKTNSLPLHSVKSISDFIDKAEESTQSKEISLPEV SLLKILKLNKPEWPFVVLGTLASVLNGTVHPVFSIIFAKIITMFGNNDKTTLKHDAEIS MIFVILGVICFVSYFMQGLFYGRAGEILTMRLRHLAFKAMLYQDIAWFDEKENSTGGL TTILAIQIQQATGSRIGVLTQATNMGLSVIISFIYGWEMTFLILSIAPVLAVTGMIET AAMTGFANKDKQELKHAGKIALENI RTIVSLTREKAFEQMYEEMLTQHRNTSK KAQIIGSCYAFSHAFIYFAYAAGFRFGAYLIQAGRMTPEGMFIVFTAIAYGAMAIGETL VLAPEYSKAKSGAAHLFALLEKKPNIDSRSEQGKKPDTCEGNLEFREVSFFYPCRPD

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VFILRGLSLSIERGKTVA FVGSSGCGKSTSVQLLQRLYDPVQGQVLF DGVD AKELNV
 QWLR SQIAIVPQEPVLFNCSIAENIAYGDNSRVVPLDEIKEAANAANIHSFIEGLPEKY
 NTQVGLKGAQLSGGQKQRLAIARALLQKPKILLLDEATSALDNDSEKVVQHALDKAR
 TGRTCLVVTHRLSAIQNADLIVVLHNGKIKEQGT HQELLNRDIYFKLVNAQSVQ

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name ABCB5 ATP-binding cassette, sub-family B (MDR/TAP), member 5 [Homo sapiens]

Official Symbol ABCB5

Synonyms ABCB5; ATP-binding cassette, sub-family B (MDR/TAP), member 5; ATP-binding cassette sub-family B member 5; ABCB5alpha; ABCB5beta; ATP binding cassette protein; EST422562; P glycoprotein ABCB5; ABCB5 P-gp; P-glycoprotein ABCB5; ATP-binding cassette protein;

Gene ID 340273

mRNA Refseq NM_001163941

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Protein Refseq	NP_001157413
MIM	611785
UniProt ID	Q2M3G0

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