

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 AYDFIMEFPNKFNTLVGEKGAQMSSGQKQRIAIARALVRNPKILILDEATSALDSESK SAVQAALAKASKGRTTIVVAHRLSTIRSADLIVTLKDGMLAEKGAHAELMAKRGLYYS LVMSQDIKKADEQMESMTYSTERKTNSLPLHSVKSISDFIDKAEESTQSKEISLPEV SLLKILKLNKPEWPFVVLGTLASVLNGTVHPVFSIIFAKIITMFGNNDKTTLKHD AEIYS MIFVILGVICFVSYFMQGLFYGRAGEILTMRLRHLAFKAMLYQDIAWFDEKENSTGGL TTILAI DIAQIQGATGSRIGVLTQ NATNMGLSVIISFIYGWEMTFLILSIAPVLA VTGMIET AAMTGFANKDKQELKHAGKIATEALENIRTIVSLTREKAFEQMYEEMLQTQHRNTSK KAQIIGSCYAFSHAFIYFAYAAGFRFGAYLIQAGRMTPEGMFIVFTAIAYGAMAIGETL VLAPEYSKAKSGAAHLFALLEKKPNIDSRSQEGKPKPDTCEGNLEFREVSFFYPCRPD

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VFILRGLSLSIERGKTVAFVVGSSGCGKSTSVQLLQRLYDPVQGQVLFDGVDKELNV
 QWLRSQIAIVPQEPVLFNCSIAENIAYGDNSRVVPLDEIKEAANAANIHSFIEGLPEKY
 NTQVGLKGAQLSGGQKQRLAIARALLQKPKILLLDEATSALDNDSEKVVQHALDKAR
 TGRTCLVVTHRLSAIQNADLIVVLHNGKIKEQGTHQELLNRNDIYFKLVNAQSVQ

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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