

Recombinant Human ABCB10 Protein (A152-A738), Flag-10xHis tagged

Cat. No. ABCB10-0241H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ABCB10(A152-A738 end)-TEV-Flag-10His Protein was expressed in Mammalian cell.
Species	Human
Source	Mammalian Cells
ProteinLength	A152-A738
Description	Catalyzes the export of an unknown physiological substrate from the mitochondrial matrix to the cytosol in an ATP-dependent manner. May also transport the heme analog Zn (II) mesoporphyrin (ZnMP) in an ATP dependent manner but can't export the heme precursor 5-aminolevulinic acid (ALA) from mitochondria. Plays a role in the early step of the heme biosynthetic process during insertion of iron into protoporphyrin IX (PPIX). In turn participates in hemoglobin synthesis and also protects against oxidative stress. In addition may be involved in mitochondrial unfolded protein response (UPRmt) signaling pathway, although ABCB10 probably does not participate in peptide export from mitochondria.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	95%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	50 mM HEPES (pH 7.5), 150 mM NaCl, 0.02% GDN, 0.0002% CHS
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	ABCB10 ATP-binding cassette, sub-family B (MDR/TAP), member 10 [Homo sapiens (human)]
Official Symbol	ABCB10
Synonyms	ABCB10; ATP-binding cassette, sub-family B (MDR/TAP), member 10; ATP-binding cassette sub-family B member 10, mitochondrial; ABC transporter 10 protein; ATP binding cassette sub family B member 10; mitochondrial; ATP binding cassette transporter 10; EST20237; M ABC2; mitochondrial ATP binding cassette 2; MTABC2; ATP-binding cassette transporter 10; mitochondrial ATP-binding cassette 2; M-ABC2;
Gene ID	23456
mRNA Refseq	NM_012089
Protein Refseq	NP_036221
MIM	605454

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UniProt ID

Q9NRK6

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