

Recombinant Human ABCC8 Protein, Myc/DDK-tagged

Cat. No. ABCC8-592H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Homo sapiens ATP-binding cassette, sub-family C (CFTR/MRP), member 8 (ABCC8) with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Human
Source	HEK293
Description	The 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 MRP subfamily which is involved in multi-drug resistance. This protein functions as a modulator of ATP-sensitive potassium channels and insulin release. Mutations in the ABCC8 gene and deficiencies in the encoded protein have been observed in patients with hyperinsulinemic hypoglycemia of infancy, an autosomal recessive disorder of unregulated and high insulin secretion. Mutations have also been associated with non-insulin-dependent diabetes mellitus type II, an autosomal dominant disease of defective insulin secretion. Alternatively spliced transcript variants have been found for this gene.
Molecular Mass	176.8 kDa
Purity	> 80 % as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	> 50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol

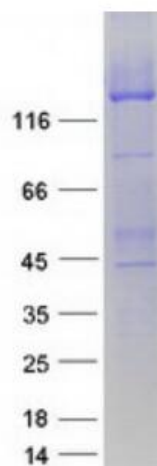
GENE INFORMATION

Gene Name	ABCC8 ATP binding cassette subfamily C member 8 [Homo sapiens (human)]
Official Symbol	ABCC8
Synonyms	ABCC8; ATP binding cassette subfamily C member 8; HI; SUR; HHF1; MRP8; PHHI; SUR1; ABC36; HRINS; PNDM3; TNDM2; SUR1delta2; ATP-binding cassette sub-family C member 8; ATP-binding cassette transporter sub-family C member 8; ATP-binding cassette, sub-family C (CFTR/MRP), member 8; sulfonylurea receptor (hyperinsulinemia); sulfonylurea receptor 1
Gene ID	6833
mRNA Refseq	NM_000352
Protein Refseq	NP_000343
MIM	600509
UniProt ID	Q09428

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SDS-PAGE

Coomassie blue staining of purified ABCC8 protein. The protein was produced from HEK293T cells transfected with ABCC8 cDNA clone using MegaTran 2.0.

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