

Recombinant Human ABCC8 Protein, GST-Tagged

Cat. No. ABCC8-053H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ABCC8 partial ORF (NP_000343, 611 a.a. - 710 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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 and deficiencies in this 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. [provided by RefSeq, Dec 2013]
Molecular Mass	36.74 kDa
AA Sequence	SEFLSSAEIREEQCAPHEPTPQGPASKYQAVPLRVVNRKRPAREDCRGLTGPLQSL VPSADGDADNCCVQIMGGYFTWTPDGIPTLSNITIRIPRGQLTM

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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	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	ABCC8 ATP-binding cassette, sub-family C (CFTR/MRP), member 8 [Homo sapiens]
Official Symbol	ABCC8
Synonyms	ABCC8; ATP-binding cassette, sub-family C (CFTR/MRP), member 8; HRINS; SUR; ATP-binding cassette sub-family C member 8; ABC36; HHF1; HI; MRP8; PHHI; sulfonylurea receptor (hyperinsulinemia); SUR1; TNDM2; sulfonylurea receptor 1; ATP-binding cassette transporter sub-family C member 8; SUR; HRINS; SUR1delta2;
Gene ID	6833
mRNA Refseq	NM_000352
Protein Refseq	NP_000343
MIM	600509

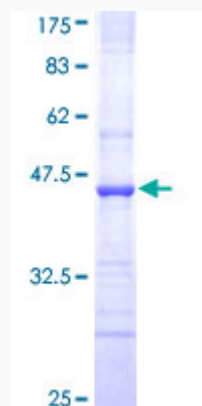
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UniProt ID

Q09428



12.5% SDS-PAGE Stained with Coomassie Blue.

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