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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ABCC5 (Human) Recombinant Protein (P01)

Catalog Number: H00010057-P01

Regulation Status: For research use only (RUO)

Product Description: Human ABCC5 full-length ORF (NP_001018881.1, 1 a.a. - 208 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MKDIDIGKEYIIPSPGYRSVRERTSTSGTHRDREDSKF
RRTRPLECQDALETAARAEGSLDASMHSQRLRILDEE
HPKGYHHGLSALKPIRTTSKHQHPVDNAGLFSCMTF
SWLSSLARVAHKKGELSMEDVWLSKHESSDVNCRR
LERLWQEELNEVGPDAASLRVWVIFCRTRLILSIVCL
MITQLAGFSGPNFQDGCILRSE

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 50.1

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 10057

Gene Symbol: ABCC5

Gene Alias: ABC33, DKFZp686C1782, EST277145, MOAT-C, MOATC, MRP5, SMRP, pABC11

Gene Summary: 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 in the cellular export of its substrate, cyclic nucleotides. This export contributes to the degradation of phosphodiesterases and possibly an elimination pathway for cyclic nucleotides. Studies show that this protein provides resistance to thiopurine anticancer drugs, 6-mercaptopurine and thioguanine, and the anti-HIV drug 9-(2-phosphonylmethoxyethyl)adenine. This protein may be involved in resistance to thiopurines in acute lymphoblastic leukemia and antiretroviral nucleoside analogs in HIV-infected patients. Alternative splicing of this gene has been detected; however, the complete sequence and translation initiation site is unclear. [provided by RefSeq]