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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

SLC29A1 (Human) Recombinant Protein (P01)

Catalog Number: H00002030-P01

Regulation Status: For research use only (RUO)

Product Description: Human SLC29A1 full-length ORF (NP_004946.1, 1 a.a. - 456 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MTTSHQPQDRYKAVWLIFLMLGLGTLWPWNFFMTATQ
YFTNRLDMSQNVSLVTAELSKDAQASAAPAAPLPERN
SLSAIFNNVMTLCAMPLLLLFTYLNLSFLHQRIPQSVRIL
GSLVAILLVFLITAILVKVQLDALPFFVITMIKIVLINSFGAI
LQGSFLGLAGLLPASYPIMSGQGLAGFFASVAMICA
IASGSELSAFAFGYFITACAVIILTIIICYLGLPRLEFYRYY
QQLKLEGPGEQETKLDLISKGEEPRAGKEESGVSVSN
SQPTNESHSIKAILKNISVLAFSVCFFITITIGMFPAVTVE
VKSSIAGSSTWERYFIPVSCFLTFNIFDWLGRSLTAVF
MWP GKDSRWLPSLV LARLVFVPLLLLCNIKPRRYLTVV
FEHDAWFIFFMAAFASNGYLASLCMCFGPKKVKPAE
AETAGAIMAFFLCLGLALGAVFSFLFRAIV

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 76.6

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: 2030

Gene Symbol: SLC29A1

Gene Alias: ENT1, MGC1465, MGC3778

Gene Summary: This gene is a member of the equilibrative nucleoside transporter family. The gene encodes a transmembrane glycoprotein that localizes to the plasma and mitochondrial membranes and mediates the cellular uptake of nucleosides from the surrounding medium. The protein is categorized as an equilibrative (as opposed to concentrative) transporter that is sensitive to inhibition by nitrobenzylthioinosine (NBMPR). Nucleoside transporters are required for nucleotide synthesis in cells that lack de novo nucleoside synthesis pathways, and are also necessary for the uptake of cytotoxic nucleosides used for cancer and viral chemotherapies. Multiple alternatively spliced variants, encoding the same protein, have been found for this gene. [provided by RefSeq]

References:

1. Pancreatic Cancer hENT1 Expression and Survival From Gemcitabine in Patients From the ESPAC-3 Trial. Greenhalf W, Ghaneh P, Neoptolemos JP, Palmer DH, Cox TF, Lamb RF, Garner E, Campbell F, Mackey JR, Costello E, Moore MJ, Valle JW, McDonald AC, Carter R, Tebbutt NC, Goldstein D, Shannon J, Dervenis C, Glimelius B, Deakin M, Charnley RM, Lacaine F, Scarfe AG, Middleton MR, Anthony A, Halloran CM, Mayerle J, Olah A, Jackson R, Rawcliffe CL, Scarpa A, Bassi C, Buchler MW J Natl Cancer Inst. 2014 Jan;106(1):djt347. doi: 10.1093/jnci/djt347. Epub 2013 Dec 3.