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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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- Expressversand

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Datasheet

SLC5A1 (Human) Recombinant Protein (P01)

Catalog Number: H00006523-P01

Regulation Status: For research use only (RUO)

Product Description: Human SLC5A1 full-length ORF (AAI46581.1, 1 a.a. - 664 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MDSSTWSPKTTAVTRPVETHELIRNAADISIIVYFVVV
MAVGLWAMFSTNRGTVGGFFLAGRSMVWWPIGASLF
ASNIGSGHFVGLAGTGAASGIAIGGFERNALVLLVLLG
WLFVPIYIKAGVVTMPPEYLRKRFGGQRIQVYLSLLSLL
YIFTKISADIFSGAIFINLALGLNLYLAIFLLAITALYTITG
GLAAVIYDTLQTVIMLVGSLITGFHFHEVGGYDAFME
KYMKAIPTIVSDGNITTFQEKCYTPRADSFHIFRDPLTG
DLPWPGFIFGMSILTLWYWCTDQVIVQRCLSAKNMSH
VKGGCILCGYLKLMFIMVMPGMISRILYTEKIACVVP
SECEKYCGTKVGCTNIAYPTLVVELMPNGLRGLMLSV
MLASLMSSLTISFNSASTLFTMDIYAKVRKRASEKELMI
AGRLFILVLIGISIAWVPIVQSAQSGQLFDYIQSITSYLGP
PIAAVFLLAIFWKRVPNEPAGAFWGLLGLLIGISRMITEFA
YGTGSCMEPSNCPTIICGVHYLYFAILFAISFITIVVISLL
TKPIPDVHLYRLCWSLRNSKEERIDLDAEEENIQEGPK
ETIEIETQVPEKKGIFRRAYDLFCGLEQHGAPKMTTEE
EEKAMKMKMTDTSEKPLWRTVLNVNGIILVTVAVFCHA
YFA

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 99.99

Interspecies Antigen Sequence: Mouse (88); Rat (88)

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: 6523

Gene Symbol: SLC5A1

Gene Alias: D22S675, NAGT, SGLT1

Gene Summary: Glucose transporters are integral membrane proteins that mediate the transport of glucose and structurally-related substances across cellular membranes. Two families of glucose transporter have been identified: the facilitated-diffusion glucose transporter family (GLUT family), also known as 'uniporters,' and the sodium-dependent glucose transporter family (SGLT family), also known as 'cotransporters' or 'symporters' (Wright et al., 1994 [PubMed 7823022]). The SLC5A1 gene encodes a protein that is involved in the active transport of glucose and galactose into eukaryotic and some prokaryotic cells.[supplied by OMIM]

References:

1. Exogenous expression of human SGLT1 exhibits aggregations in sodium dodecyl sulfate polyacrylamide gel electrophoresis. Huang WC, Hsu SC, Huang SJ, Chen YJ, Hsiao YC, Zhang W, Fidler IJ, Hung MC Am J Transl Res. 2013 May 24;5(4):441-9. Print 2013.