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Product Information

MemDX™ Membrane Protein Human SLC2A1 (Solute carrier family 2 member 1) Full Length

Cat. No.: **MPC0811K**
This product is for research use only and is not intended for diagnostic use.

This product is a 54 kDa Human SLC2A1 membrane protein expressed in Saccharomyces cerevisiae. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
SLC2A1

Protein Length
Full length

Protein Class
Transporter

Molecular Weight
54 kDa

TMD
12

Sequence
MEPSSKKLTGRLMLAVGGAVLGSLQFGYNTGVINAPQKVIEEFYNQTWVH
RYGESILPTTLTTLWSLSVAIFSVGGMIGSFSVGLFVNRFGRRNSMLMMN
LLAFVSAVLMGFSKLGKSFEMLILGRFIIGVYCGLTTGFVPMYVGEVSPT
ALRGALGTLHQLGIVVGILIAQVFGLDSIMGNKDLWPLLLSIIFIPALLQ
CIVLPFCPESPRFLLINRNEENRAKSVLKKLRGTADVTHDLQEMKEESRQ
MMREKKVTILELFRSPAYRQPILIAVVLQLSQQLSGINAVFYYSTSIFEK
AGVQQPVYATIGSGIVNTAFTVVSLFVVERAGRRTLHLIGLAGMAGCAIL
MTIALALLEQLPWMSYLSIVAIFGFVAFFEVGPGPIPWFIVAELFSQGPR
PAAIAVAGFSNWTSNFIVGMCFQYVEQLCGPYVFIIFTVLLVLFFIFTYF
KVPETKGRTFDEIASGFRQGGASQSDKTPEELFHPLGADSQV

Product Description

Expression Systems
Saccharomyces cerevisiae

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

SLC2A1

Full Name

Solute carrier family 2 member 1

Introduction

This gene encodes a major glucose transporter in the mammalian blood-brain barrier. The encoded protein is found primarily in the cell membrane and on the cell surface, where it can also function as a receptor for human T-cell leukemia virus (HTLV) I and II. Mutations in this gene have been found in a family with paroxysmal exertion-induced dyskinesia.

Alternative Names

CSE; PED; DYT9; GLUT; DYT17; DYT18; EIG12; GLUT1; HTLVR; GLUT-1; SDCHCN; GLUT1DS; solute carrier family 2, facilitated glucose transporter member 1; choreoathetosis/spasticity, episodic (paroxysmal choreoathetosis/spasticity); glucose transporter type 1, erythrocyte/brain; hepG2 glucose transporter; human T-cell leukemia virus (I and II) receptor; receptor for HTLV-1 and HTLV-2; solute carrier family 2 (facilitated glucose transporter), member 1; SLC2A1; Solute carrier family 2 member 1

Gene ID

6513

UniProt ID

P11166

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