

Product Information

MemDX™ Membrane Protein Human SLC45A1 (Solute carrier family 45 member 1) Full

Length

Cat. No.: **MPC3005K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human SLC45A1 membrane protein expressed in HEK293. 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

SLC45A1

Protein Length

Full length

Protein Class

Transporter

TMD

12

Sequence

MLQQPGPRPGRQQPSGDRDACRLHPQGRPPALPTMIPAASSTPPGDALFP
SVAPQDFWRSQVTGYSGSVTRHLSHRANNFKRHPKRRKCIRSPPPPPNT
PCPLELVDFGDLHPQRSFRELLFNGCILFGIEFSYAMETAYVTPVLLQMG
LPDQLYSLVWFISPILGFLQLLGAWSRDRCTSRFGRRRPFILVLAIGAL
LGLSLLLNGRDIGIALADVTGNHKWGLLLTVCGVVLMDFSADSADNP SHA
YMMDVCS PADQDRGLNIHALLAGLGGGFGYVVGGIHWDKTGFGRALGGQL
RVIYLF TAVTL SVTTVLTLSIPERPLRPPSEKRAAMKSPSLPLPPSPPV
LPEEGPGDSLPSHTATNFSSPISPPSPLTPKYGSFISRDSSLTGISEFAS
SFGTANIDSVLIDCFTGGHDSYLAIPGSVPRPPISVSFPRAPDGFYRQDR
GLLEGREGALTS GCDGDLRVGSLDTSKPRSSGILKRPQT LAIPDAAGGG
GPETSRRRNVTF SQQVANILLNGVKYESELTGSSERA EQPLSVGRLCSTI
CNMPKALRTL CVNHFLGWLSFEGMLLFYTDFMGEVVFQGD PKAPHTSEAY
QKYN SGVTMGCWGMCIYAFSAAFYSAILEKLEEF LSVRTLYFIAYLAFGL
GTGLATLSRNL YVVLSCITYGILFSTLCTLPYSLLCDYYQSKKFAGSSA
DGTRRGMGVDISLLSCQYFLAQILVSLVLGPLTSAVGSANGVMYFSSLVS
FLGCLYSSLFVIYEIPPSDAADEEHRPLLLNV

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

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

SLC45A1

Full Name

Solute carrier family 45 member 1

Introduction

This gene was isolated initially from a region on chromosome 1p that is frequently deleted in human neuroblastoma, although no causal relationship has since been demonstrated. The encoded protein belongs to the glycoside-pentoside-hexuronide cation symporter transporter family and may play a role in glucose uptake.

Alternative Names

SLC45A1; DNB5; IDDNPF; PAST-A; proton-associated sugar transporter A; H⁺/sugar symporter; deleted in neuroblastoma 5 protein; Solute carrier family 45 member 1

Gene ID

[50651](#)

UniProt ID

[Q9Y2W3](#)