

Recombinant Human SLC44A4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SLC44A4-5146H Lot. No. (See product label)

SPECIFICATION

Product Overview

SLC44A4 MS Standard C13 and N15-labeled recombinant protein (NP_079533) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

The protein encoded by this gene may be a sodium-dependent transmembrane transport protein involved in the uptake of choline by cholinergic neurons. Defects in this gene can cause sialidosis, a lysosomal storage disease. Three transcript variants encoding different isoforms have been found for this gene.

Molecular Mass

79.3 kDa

AA Sequence

MGGKQRDEDEAYGKPKVKYDPSFRGPIKNRSCTDVICCVLFLLLFILGYIVVGIVAWLY
 GDPRQVLYPRNSTGAYCGMGENKDKPYLLYFNIFSCILSSNIISVAENGLQCPTPQV
 CVSSCPEDPWTVGKNEFSQTVGEVFYTKNRNFCPLPGVPWNMTVITSLQQELCPSFL
 LPSAPALGRCFPWTNVTTPALPGITNDTTIQQGISGLIDSLNARDISVKIFEDFAQSWY
 WILVALGVALVLSLLFILLRVLVAGPLVVLVILGVLGVLAYGIYYCWEEYRVLDRDKGASI
 SQLGFTTNLSAYQSVQETWLAALIVLAVLEAILLMLIFLRQRIRIAIALLKEASKAVGQ
 MMSTMFYPLVTFVLLLICIAYWAMTALYLATSGQPQYVLWASNISSPGCEKVPINTSC
 NPTAHLVNSSCPGLMCFVQGYSSKGLIQRSVFNLQIYGVGLFWTLNWWLALGQCV
 LAGAFASFYWAFHKPQDIPTFPLISAFIRTLRYHTGSLAFGALILTLVQIARVILEYIDHK

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LRGVQNPVARCIMCCFKCCLWCLEKFIKFLNRNAYIMIAIYGKNFCVSAKNAFMLLMR
 NIVRVVLDKVTDLLLFFGKLLVVGCVLSFFFFSGRIPGLGKDFKSPHLNYYWLPI
 MTSILGAYVIASGFFSVFGMCDLFLCFLEDLERNNGSLDRPYYSKSLKILGKKN
 EAPPDNKKRKRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [SLC44A4 solute carrier family 44 member 4 \[Homo sapiens \(human\) \]](#)

Official Symbol [SLC44A4](#)

Synonyms SLC44A4; solute carrier family 44 member 4; CTL4; NG22; TPPT; DFNA72; hTPPT1; C6orf29; choline transporter-like protein 4; testicular tissue protein Li 48; thiamine pyrophosphate transporter 1

Gene ID [80736](#)

mRNA Refseq [NM_025257](#)

Protein Refseq [NP_079533](#)

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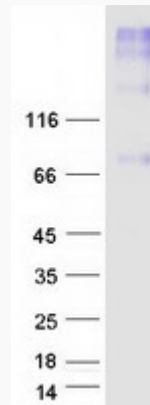
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MIM 606107


UniProt ID Q53GD3

SDS-PAGE



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