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

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

## SPECIFICATION

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| **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** | MGGKQRDEDDEAYGKPVKYDPSFRGPIKNRSCTDVICCVLFLLFILGYIVVGIVAWLY GDPRQVLYPRNSTGAYCGMGENKDKPYLLYFNIFSCILSSNIISVAENGLQCPTPQV CVSSCPEDPWTVGKNEFSQTVGEVFYTKNRNFCLPGVPWNMTVITSLQQELCPSFL LPSAPALGRCFPWTNVTPPALPGITNDTTIQQGISGLIDSLNARDISVKIFEDFAQSWY WILVALGVALVLSLLFILLLRLVAGPLVLVLILGVLGVLAYGIYYCWEEYRVLRDKGASI SQLGFTTNLSAYQSVQETWLAALIVLAVLEAILLLMLIFLRQRIRIAIALLKEASKAVGQ MMSTMFYPLVTFVLLLICIAYWAMTALYLATSGQPQYVLWASNISSPGCEKVPINTSC NPTAHLVNSSCPGLMCVFQGYSSKGLIQRSVFNLQIYGVLGLFWTLNWVLALGQCV LAGAFASFYWAFHKPQDIPTFPLISAFIRTLRYHTGSLAFGALILTLVQIARVILEYIDHK |

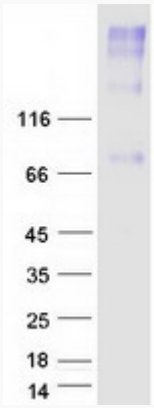
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|---|---|
| | LRGVQNPVARCIMCCFKCCLWCLEKFIKFLNRNAYIMIAIYGKNFCVSAKNAFMLLMR NIVRVVVLDKVTDLLLFFGKLLVVGGVGVLSFFFFSGRIPGLGKDFKSPHLNYYWLPI MTSILGAYVIASGFFSVFGMCVDTLFLCFLEDLERNNGSLDRPYYMSKSLLKILGKKN EAPPDNKKRKKTRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Purity** | > 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

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| **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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| **MIM** | 606107 |
| **UniProt ID** | Q53GD3 |
| **SDS-PAGE** |  |



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