

Recombinant Human SLC26A4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SLC26A4-3846H Lot. No. (See product label)

SPECIFICATION

Product Overview

SLC26A4 MS Standard C13 and N15-labeled recombinant protein (NP_000432) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

Mutations in this gene are associated with Pendred syndrome, the most common form of syndromic deafness, an autosomal-recessive disease. It is highly homologous to the SLC26A3 gene; they have similar genomic structures and this gene is located 3' of the SLC26A3 gene. The encoded protein has homology to sulfate transporters.

Molecular Mass

85.5 kDa

AA Sequence

MAAPGGRSEPPQLPEYSCSYMVS RPVYSELAFQQQHERRLQERKTLRESLAKCCS
 CSRKRAFGVLKTLVPILEWLPKYRVKEWLLSDVISGVSTGLVATLQGMAYALLA AVP
 VGYGLYSAFFPILTYFIFGTSRHISVGPFPVVS L MVGSVVL S MAPDEHFLVSSSNGTV
 LNTTMDTAARDTARVLIASALTLLVGIQLIFGGLQIGFIVRYLADPLVGGFTTAAAFQV
 LVSQKIVLNVSTKNYNGVLSIIYTLVEIFQ NIGDTNLADFTAGLLTIVVCM AVKELNDR
 FRHKIPVPIPIEVIVTIIATAISYGANLEKNYNAGIVKSIPRGFLPPELPPVSLFSEMLAAS
 FSI AVVAYAI AVSVGKVYATKYDYTIDGNQEFIAFGISNIFSGFFSCFVATTALSRTAVQ
 ESTGGKTQVAGIISAAIVMIAILALGK LLEPLQKSVLAAVVIANLKG MFMQLCDIPRLW
 RQNKIDAVI WVFTCIVSIILGLDLGLLAGLIFGLLTVVLRVQFPSWNLG SIPSTDIYKST

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KNYKNIEEPQGVKILRFSSPIFYGNVDGFKKCIKSTVGFDAIRVYNKRLKALRKIQKLIK
 SGQLRATKNGIISDAVSTNNAFEPDEDIEDLEELDIPTKEIEIQVDWNSLPVKVNVPK
 VPIHSLVLDCGAISFLDVVGVRSRSLRVIVKEFQRIDVNVYFASLQDYVIEKLEQCGFFDD
 NIRKDTFFLTVHDAILYLQNQVKSQEGQGSILETITLIQDCKDTLELIETELTEEELDVQ
 DEAMRTLASTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 [SLC26A4 solute carrier family 26 member 4 \[Homo sapiens \(human\) \]](#)

Official Symbol [SLC26A4](#)

Synonyms SLC26A4; solute carrier family 26, member 4; DFNB4; pendrin; PDS; sodium-independent chloride/iodide transporter; EVA; TDH2B;

Gene ID [5172](#)

mRNA Refseq [NM_000441](#)

Protein Refseq [NP_000432](#)

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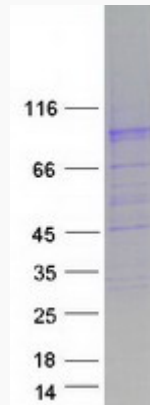
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MIM 605646

UniProt ID O43511

SDS-PAGE



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