

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | SLC26A4 MS Standard C13 and N15-labeled recombinant protein (NP_000432) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | 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.                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | 85.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MAAPGGRSEPPQLPEYSCSYMVS RPVYSELAFQQQHERRLQERKTLRESLAKCCS<br>CSRKRAFGVLKTLVPILEWL PKYRVKEWLLSDVISGVSTGLVATLQGMAYALLAAVP<br>VGYGLYSAFFPILTYFIFGTSRHISVGPFPVVS L MVGSVVL S MAPDEHFLVSSSNGTV<br>LNTTMDTAARDTARVLIASALTLLVGIIQLIFGGLQIGFIVRYLADPLVGGFTTAAAFQV<br>LVSQKIVLNVSTKNYNGVLSIIYTLVEIFQNIGDTNLADFTAGLLTIVVCMVAVKELNDR<br>FRHKIPVPIPIEVIVTIIATAISYGANLEKNYNAGIVKSIPRGFLPPELPPVSLFSEMLAAS<br>FSIAVVAYAI AVSVGKVYATKYDYTIDGNQEFIAFGISNIFSGFFSCFVATTALSRTAVQ<br>ESTGGKTQVAGIISAAIVMIAILALGKLLLEPLQKSVLA AVVIANLKG MFMQLCDIPRLW<br>RQNKIDAVI WVFTCIVSIILGLDLGLLAGLIFGLLTVVLRVQFPSWNLGSI PSTDIYKST |

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KNYKNIEEPQGVKILRFSSPIFYGNVDGFKKCIKSTVGFDAIRVYNKRLKALRKIQKLIK  
 SGQLRATKNGIISDAVSTNNAFEPDEDIEDLEELDIPTKEIEIQVDWNSLPVKVNVPK  
 VPIHSLVLDCGAISFLDVVGVRSLRVIVKEFQRIDVNVYFASLQDYVIEKLEQCGFFDD  
 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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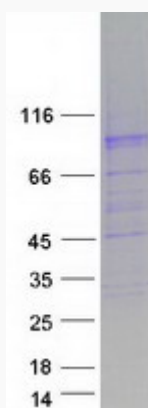
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MIM 605646

UniProt ID O43511

SDS-PAGE



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