

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 CSRKRAFGVLKTLVPILEWL PKYRVKEWLLSDVISGVSTGLVATLQGMAYALLA AVP VGYGLYSAFFPILTYFIFGTSRHISVGPFPVVS L MVGSVVL S MAPDEHFLVSSSNGTV LNTTMDTAARDTARVLIASALTLLVGIIQLIFGGLQIGFIVRYLADPLVGGFTTAAAFQV LVSQKIVLNVSTKNYNGVLSIIYTLVEIFQNIGDTNLADFTAGLLTIVVCM AVKELNDR FRHKIPVPIPIEVIVTIIATAISYGANLEKNYNAGIVKSIPRGFLPPELPPVSLFSEMLAAS FSIAVVAYAI AVSVGKVYATKYDYTIDGNQEFIAFGISNIFSGFFSCFVATTALSRTAVQ ESTGGKTQVAGIISAAIVMIAILALGKLLLEPLQKSVLA AVVIANLKG MFMQLCDIPRLW 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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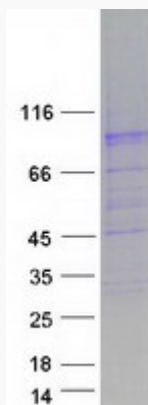
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MIM 605646

UniProt ID O43511

SDS-PAGE



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