

Recombinant Human SLC26A4 protein, GST-tagged

Cat. No. SLC26A4-317H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC26A4(1 a.a. - 780 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
Protein Length	1 a.a. - 780 a.a.
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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	112.75 kDa
AA Sequence	<p>MAAPGGRSEPPQLPEYSCSYMVSRPVYSELAFQQQHERRLQERKTLRESLAKCCS CSRKRAFGVLKTLVPILEWL PKYRVKEWLLSDVISGVSTGLVATLQGMAYALLAAMP VGYGLYSAFFPILTYFIFGTSRHISVGPFPVSLMVGS VVLSMAPDEHFLVSSSNGTV LNTTMIDTAARDTARVLIASALTLLVGIIQLIFGGLQIGFIVRYLADPLVGGFTT AAAFQ VLVSQKIVLNVSTKNYNGVLSIIYTLVEIFQNIGDTNLADFTAGLLTIVVCMVAVKELND RFRHKIPVPI PIEVIVTIIATAISYGANLEKNYNAGIVKSIPRGFLPPELPPVSLFSEMLA ASFSIAVVAYAIAVSVGKVYATKY DYTIDGNQEFAFGISNIFSGFFSFCVATTALSRT</p>

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AVQESTGGKTQVAGIISAAIVMIALALGKLEPLQKSVL AAVVIANLKGMMFQLCDIP
 RLWRQNKIDAVIWWFTCIVSIILGLDLGLLAGLIFGLLTVVLRVQFPSWNLGSLIP STDI
 YKSTKNYKNIEEPQGVKILRFSSPIFYGNVDGFKKCIKSTVGFDAIRVYNKRLKALRKI
 QKLIKSGQLRAT KNGIISDAVSTNNAFEPDEDIEDLEELDIPTKEIEIQVDWNSLQVVK
 VNVPKVPIHSLVLDCGAISFLDVVGVRS LRVIVKEFQRIDVNVYFASLQDYVIEKLEQ
 CGFFDDNIRKDTFFLTVHDAILYLQNQVKSQEGQGSILETITLIQ DCKDTLELIETELTE
 EELDVQDEAMRTLAS

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

SLC26A4 solute carrier family 26, member 4 [Homo sapiens]

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

MIM

605646

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UniProt ID	O43511
Chromosome Location	7q31
Pathway	Multifunctional anion exchangers, organism-specific biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of inorganic cations/anions and amino acids/oligopeptides, organism-specific biosystem;
Function	chloride transmembrane transporter activity; iodide transmembrane transporter activity; secondary active sulfate transmembrane transporter activity; sulfate transmembrane transporter activity; transporter activity;

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