

Recombinant Full Length Human SLC26A4 Protein, GST-tagged

Cat. No. SLC26A4-598HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SLC26A4(1 a.a. - 780 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	780 amino acids
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	MAAPGGRSEP PQLPEYSCSY MVS RPVYSEL AFQQQHERRL QERKTLRESL AKCCSCSRKR AFGVLKTLVP ILEWL PKYRV KEWLLSDVIS GVSTGLVATL QGMAYALLAA VPVG YGLYSA FFPILTYFIF GTSRHISVGP FPVVSLMVGS VVLSMAPDEH FLVSSSNGTV LNTT MIDTAA RDTARVL IAS ALTLLVGIIQ LIFGGLQIGF IVRYLADPLV GGFTTAAAFQ VLVSQ LKIVL NVSTKNYNGV LSIIYTLVEI FQNIGDTNLA DFTAGLLTIV VCM AVKELND RFRHKIPVPI PIEVIVTIIA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TAISYGANLE KNYNAGIVKS IPRGFLPPEL PPVSLFSEML AASFSIAVVA
 YAIAVSVGKV YATKYDYTID GNQEFIAFGI SNIFSGFFSC FVATTALSRT
 AVQESTGGKT QVAGIISAAI VMIAILALGK LLEPLQKSVL AAVVIANLKG
 MFMQLCDIPR LWRQNKIDAV IWVFTCIVSI ILGLDLGLLA GLIFGLLTVV
 LRVQFPSWNG LGSIPSTDIY KSTKNYKNIE EPQGVKILRF SSPIFYGNVD
 GFKKCIKSTV GFDAIRVYNK RLKALRKIQK LIKSGQLRAT KNGIISDAVS
 TNNAFEPDED IEDLEELDIP TKEIEIQVDW NSELPVKVNV PKVPIHSLVL
 DCGAISFLDV VGVRSRLRVIV KEFQRIDVNV YFASLQDYVI EKLEQCGFFD
 DNIRKDTFFL TVHDAILYLQ NQVKSQEGQG SILETITLIQ DCKDTLELIE
 TELTEEELDV QDEAMRTLAS

Applications

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

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

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MIM	605646
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UniProt ID	O43511
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