Recombinant Human SLC26A4

Cat. No. SLC26A4-31416TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human SLC26A4 with N terminal proprietary tag; Predicted MW 34.54 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	81 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.
Molecular Weight	34.540kDa inclusive of tags
Tissue specificity	High expression in adult thyroid, lower expression in adult and fetal kidney and fetal brain. Not expressed in other tissues.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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

Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	RSLRVIVKEFQRIDVNVYFASLQDYVIEKLEQCGFFDDNIRKDTFFLTVHDAILYLQNQVKSQEGQGSILETITLIQDCKD
Sequence Similarities	Belongs to the SLC26A/SulP transporter (TC 2.A.53) family.Contains 1 STAS domain.

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;
Gene ID	5172
mRNA Refseq	NM_000441
Protein Refseq	NP_000432
MIM	605646
Uniprot ID	O43511
Chromosome Location	7q31
Pathway	Multifunctional anion exchangers, organism-specific biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Transmembrane transport of

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	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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