

Recombinant Human SLC26A4

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

SPECIFICATION

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|---------------------------|--|
| 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: 8.00 Constituents: 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

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|---------------------------------|--|
| Storage | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles. |
| Sequences of amino acids | RSLRVIVKEFQRIDVNVYFASLQDYVIEKLEQCGFFDDNIRKDTFFLTVHDAILYLQNQ VKSQEGQGSILETITLIQDCKD |
| Sequence Similarities | Belongs to the SLC26A/SuIP 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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