Recombinant Human SLC26A3

Cat. No. SLC26A3-31415TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human SLC26A3 with a N terminal proprietary tag; Predicted MW 36.41 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	98 amino acids
Description	The protein encoded by this gene is a transmembrane glycoprotein that transports chloride ions across the cell membrane in exchange for bicarbonate ions. It is localized to the mucosa of the lower intestinal tract, particularly to the apical membrane of columnar epithelium and some goblet cells. The protein is essential for intestinal chloride absorption, and mutations in this gene have been associated with congenital chloride diarrhea.
Molecular Weight	36.410kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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	cycles.
Sequences of amino acids	TQFPKCSTLANIGRTNIYKNKKDYYDMYEPEGVKIFRCPSPIYFANIGFFRRKLIDAVG FSPLRILRKRNKALRKIRKLQKQGLLQVTPKGFICTVDT
Sequence Similarities	Belongs to the SLC26A/SulP transporter (TC 2.A.53) family.Contains 1 STAS domain.

GENE INFORMATION

Gene Name	SLC26A3 solute carrier family 26, member 3 [Homo sapiens]
Official Symbol	SLC26A3
Synonyms	SLC26A3; solute carrier family 26, member 3; CLD, congenital chloride diarrhea , DRA; chloride anion exchanger;
Gene ID	1811
mRNA Refseq	NM_000111
Protein Refseq	NP_000102
MIM	126650
Uniprot ID	P40879
Chromosome Location	7q31
Pathway	Mineral absorption, organism-specific biosystem; Mineral absorption, conserved biosystem; Multifunctional anion exchangers, organism-specific biosystem; Pancreatic

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	secretion, organism-specific biosystem; Pancreatic secretion, conserved biosystem;
Function	anion:anion antiporter activity; antiporter activity; secondary active sulfate transmembrane transporter activity; sequence-specific DNA binding transcription factor activity; transcription cofactor activity;

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