

Recombinant Human CLDN23, GST-tagged

Cat. No. CLDN23-11294H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CLDN23 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-109a.a.
Description	This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. This gene is expressed in germinal center B-cells, placenta and stomach as well as in colon tumor. This gene is down-regulated in intestinal type gastric cancer.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	CLDN23 claudin 23 [Homo sapiens]
Official Symbol	CLDN23
Synonyms	CLDN23; claudin 23; claudin-23; CLDNL; 2310014B08Rik; hCG1646163;
Gene ID	137075
mRNA Refseq	NM_194284
Protein Refseq	NP_919260
MIM	609203
UniProt ID	Q96B33
Chromosome Location	8p23.1
Pathway	Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem; Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem;
Function	identical protein binding; structural molecule activity;

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