Recombinant Human CLDN8 Protein, GST-tagged

Cat. No. CLDN8-1448H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CLDN8 full-length ORF (NP_955360.1, 1 a.a. - 225 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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 protein plays important roles in the paracellular cation barrier of the distal renal tubule, and in the paracellular barrier to prevent sodium back-leakage in distal colon. Differential expression of this gene has been observed in colorectal carcinoma and renal cell tumors, and along with claudin-7, is an immunohistochemical marker for the differential diagnosis of chromophobe renal cell carcinoma and renal oncocytoma.[provided by RefSeq, May 2010]
Molecular Mass	51.2 kDa
AA Sequence	MATHALEIAGLFLGGVGMVGTVAVTVMPQWRVSAFIENNIVVFENFWEGLWMNCV RQANIRMQCKIYDSLLALSPDLQAARGLMCAASVMSFLAFMMAILGMKCTRCTGDN EKVKAHILLTAGIIFIITGMVVLIPVSWVANAIIRDFYNSIVNVAQKRELGEALYLGWTTA

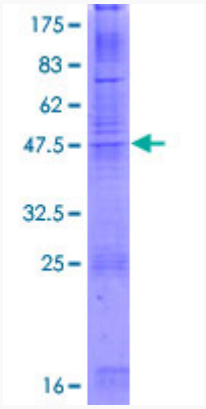
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	LVLIVGGALFCCVFCCNEKSSSYRYSIPSHRTTQKSYHTGKKSPSVYSRSQYV
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCI, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CLDN8 claudin 8 [Homo sapiens]
Official Symbol	CLDN8
Synonyms	CLDN8; claudin 8; claudin-8;
Gene ID	9073
mRNA Refseq	NM_199328
Protein Refseq	NP_955360
MIM	611231
UniProt ID	P56748

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Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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