

Recombinant Full Length Human CLDN8 Protein, GST-tagged

Cat. No. CLDN8-2063HF **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	In Vitro Cell Free System
ProteinLength	225 amino acids
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	MATHALEIAGLFLGGVGMVGTVAVTVMQPQWRVSAFIENNIVVFENFWEGLWMNCV RQANIRMQCKIYDSSLALSPDLQAARGLMCAASVMSFLAFMMAILGMKCTRCTGDN

 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

EKVKAHILLTAGIIFIITGMVVLIPVSWVANAIIRDFYNSIVNVAQKRELGEALYLGWTTA
LVLIVGGALFCCVFCCKNEKSSSYRYSIPSHRTTQKSYHTGKKSPSVYSRSQYV

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-HCl, 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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