

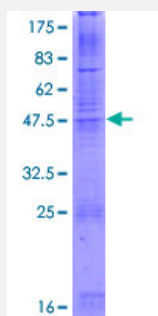
Full-Length

CLDN8 (Human) Recombinant Protein (P01)

Catalog # H00009073-P01

Size 2 ug

Applications



Specification

Product Description	Human CLDN8 full-length ORF (NP_955360.1, 1 a.a. - 225 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MATHALEIAGLFLGGVGMVGTVAVTVMQWRVSAFIENNIVVFENFW EGLWMNCVRQANIRMQC KIYDSSLALSPDLQAARGLMCAASVMSFLAFMAILGMKCTRCTGDNEKVKAHILLTAGIIFIITGMV VLIPVSWVANAIIRDFFYNSIVNVAQKRELGEALYLGWTTALVLVGGALFCCVFCCNEKSSSYRYSIP SHRTTQKS YHTGKKSPSVYSRSQYV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	51.2
Interspecies Antigen Sequence	Mouse (82); Rat (83)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CLDN8

Entrez GeneID [9073](#)**GeneBank Accession#** [NM_199328.1](#)**Protein Accession#** [NP_955360.1](#)**Gene Name** CLDN8**Gene Alias** -**Gene Description** claudin 8**Omim ID** [611231](#)**Gene Ontology** [Hyperlink](#)

Gene Summary Claudins, such as CLDN8, are components of epithelial cell tight junctions. Tight junctions regulate movement of solutes and ions through the paracellular space and prevent mixing of proteins and lipids in the outer leaflet of the apical and basolateral plasma membrane domains (Acharya et al., 2004).[supplied by OMIM]

Other Designations OTTHUMP00000101915

Publication Reference

- [Campylobacter jejuni Serine Protease HtrA Cleaves the Tight Junction Component Claudin-8.](#)

Irshad Sharafutdinov, Delara Soltan Esmaeili, Aileen Harrer, Nicole Tegtmeyer, Heinrich Sticht, Steffen Backert.

Frontiers in Cellular and Infection Microbiology 2020 Dec; 10:590186.

Application: Enzyme, WB-Re, N/A, Recombinant proteins

- [Helicobacter pylori Employs a Unique Basolateral Type IV Secretion Mechanism for CagA Delivery.](#)

Tegtmeyer N, Wessler S, Necchi V, Rohde M, Harrer A, Rau TT, Asche CI, Boehm M, Loessner H, Figueiredo C, Naumann M, Palmisano R, Solcia E, Ricci V, Backert S.

Cell Host & Microbe 2017 Oct; 22(4):552.

Application: Func, HtrA

Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)
- [Tight junction](#)