

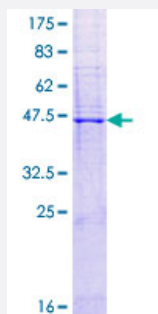
Full-Length

CLDN2 (Human) Recombinant Protein (P01)

Catalog # H00009075-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CLDN2 full-length ORF (NP_065117.1, 1 a.a. - 230 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MASLGLQLVGYLGLLGLLGLTVAMLLPSWKTSSYVGASMTAVGFSKGLWMECATHSTGITQCDIY STLLGLPADIQAAQAMMVTSSAISLACIISVVGMRCTVFCQESRAKDRVAVAGGVFFILGLLGFI PVAWNLHGILRDFYSPLVPDSMKFEIGEALYLGIISSLFSLIAGIILCFSCSSQRNRSNYYDAYQAQPL ATRSSPRPGQPPKVKSEFNLSYSLTGYV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	50.9
Interspecies Antigen Sequence	Mouse (91); Rat (91)
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 — CLDN2

Entrez GeneID	9075
GeneBank Accession#	NM_020384.2
Protein Accession#	NP_065117.1
Gene Name	CLDN2
Gene Alias	-
Gene Description	claudin 2
Omim ID	300520
Gene Ontology	Hyperlink
Gene Summary	Members of the claudin protein family, such as CLDN2, are expressed in an organ-specific manner and regulate the tissue-specific physiologic properties of tight junctions (Sakaguchi et al., 2002 [PubMed 11934881]).[supplied by OMIM]
Other Designations	OTTHUMP00000023793

Publication Reference

- [Claudin-2 Expression Levels in Ulcerative Colitis: Development and Validation of an In-Situ Hybridisation Assay for Therapeutic Studies.](#)

Randall K, Henderson N, Reens J, Eckersley S, Nyström AC, South MC, Balendran CA, Böttcher G, Hughes G, Price SA.

PLoS One 2016 Sep; 11(9):e0162076.

Application: WB, Human, Cell lysates

Pathway

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