

Recombinant Full Length Human CLDN2 Protein, GST-tagged

Cat. No. CLDN2-2052HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CLDN2 full-length ORF (NP_065117.1, 1 a.a. - 230 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	230 amino acids
Description	This gene product belongs to the claudin protein family whose members have been identified as major integral membrane proteins localized exclusively at tight junctions. Claudins are expressed in an organ-specific manner and regulate tissue-specific physiologic properties of tight junctions. This protein is expressed in the intestine. Alternatively spliced transcript variants with different 5' untranslated region have been found for this gene.[provided by RefSeq, Jan 2010]
Molecular Mass	50.9 kDa
AA Sequence	MASLGLQLVGYYLGLLGLLGLTLVAMLLPSWKTSSYVGASIVTAVGFSKGLWMECATH STGITQCDIYSTLLGLPADIQAAQAMMVTSSAIISSLACIISVVGMRCTVFCQESRAKD RVAVAGGVFFILGGLLGFIQVAVNLHGILRDFYSPLVPDSMKFEIGEALYLGIISSLFSL IAGIILCFSCSSQRNRSNYDAYQAQPLATRSSPRPGQPPKVKSEFNSSYSLTGYV
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	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	CLDN2 claudin 2 [Homo sapiens]
Official Symbol	CLDN2
Synonyms	CLDN2; claudin 2; claudin-2; SP82
Gene ID	9075
mRNA Refseq	NM_001171092
Protein Refseq	NP_001164563
MIM	300520
UniProt ID	P57739

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