

# Recombinant Human CLDN2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CLDN2-1091H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	CLDN2 MS Standard C13 and N15-labeled recombinant protein (NP_065117) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	24.5 kDa
<b>AA Sequence</b>	MASLGLQLVGYILGLLGLLGTLVAMLLPSWKTSSYVGASIVTAVGFSKGLWMECATH STGITQCIDIYSTLLGLPADIQAAQAMMVTSSAISSLACIISVVGMRCTVFCQESRAKD RVAVAGGVFFILGLLGFIPVAWNLHGILRDFYSPLVPDSMKFEIGEALYLGIISSLFSL IAGIILCFSCSSQRNRSNYDAYQAQPLATRSSPRPGQPPKVKSEFNYSYSLTGYVTR TRPLEQKLISEEDLAANDILDYKDDDDKV
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining

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<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling conditions.
<b>Storage</b>	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
<b>Concentration</b>	50 µg/mL as determined by BCA
<b>Storage Buffer</b>	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CLDN2 claudin 2 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	<a href="#">CLDN2</a>
<b>Synonyms</b>	CLDN2; claudin 2; claudin-2; SP82
<b>Gene ID</b>	<a href="#">9075</a>
<b>mRNA Refseq</b>	<a href="#">NM_020384</a>
<b>Protein Refseq</b>	<a href="#">NP_065117</a>
<b>MIM</b>	<a href="#">300520</a>
<b>UniProt ID</b>	<a href="#">P57739</a>

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