

Recombinant Full Length Human claudin 2 Protein, Flag tagged

Cat. No. CLDN2-06HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human claudin 2 (CLDN2) protein (1-230aa) with C-Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293
ProteinLength	1-230aa
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.
Tag	C-Flag
Molecular Mass	24.4 kDa
AA Sequence	MASLGLQLVG YILG LLLG LTLVAMLLPSWKTSSYVGASIVTAVGFSKGLWMECATH STGITQCDIYSTLLGLPADIQAAQAMMVTSSAIISSLACIISVVGMRCTVFCQESRAKD RVAVAGGVFFILG LLLGFIPVAWNLHGILRDFYSPLVPDSMKFEIGEALYLGIISSLFSL IAGIILCFSCSSQRNRSNYDAYQAQPLATRSSPRPGQPPKVKSEFNSYSLTGYVTR

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	TRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Storage Buffer	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Concentration	> 0.05 µg/µL as determined by microplate BCA method

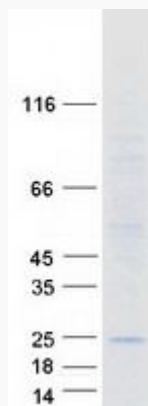
GENE INFORMATION

Gene Name	CLDN2 claudin 2 [Homo sapiens (human)]
Official Symbol	CLDN2
Synonyms	CLDN2; claudin 2; claudin-2; SP82; OAZON
Gene ID	9075
mRNA Refseq	NM_020384
Protein Refseq	NP_065117
MIM	300520

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