

Recombinant Human CLDN1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CLDN1-4298H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CLDN1 MS Standard C13 and N15-labeled recombinant protein (NP_066924) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. The protein encoded by this gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. Loss of function mutations result in neonatal ichthyosis-sclerosing cholangitis syndrome.
Molecular Mass	22.7 kDa
AA Sequence	MANAGLQLLGFI LAFLGWIGAIVSTALPQWRIYSYAGDNIVTAQAMYEGLWMSCVSQ STGQIQCKVFDSLNLSSLQATRALMVVGILLGVIAIFVATVGMKCMKCLEDDEVQK MRMAVIGGAIFLLAGLAILVATAWYGNRIVQEFYDPMTPVNARYEFGQALFTGWAAA SLCLLGGALLCCSCPRKTTSYPTPRPYPKPAPSSGKDYVTRTRPLEQKLISEEDLAA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

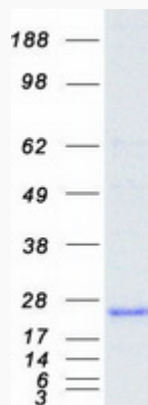
GENE INFORMATION

Gene Name	CLDN1 claudin 1 [Homo sapiens (human)]
Official Symbol	CLDN1
Synonyms	CLDN1; claudin 1; claudin-1; ILVASC; SEMP1; senescence associated epithelial membrane protein 1; senescence-associated epithelial membrane protein 1; CLD1;
Gene ID	9076
mRNA Refseq	NM_021101
Protein Refseq	NP_066924
MIM	603718
UniProt ID	O95832

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SDS-PAGE

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