Recombinant Human CLDN1 Protein, GST-tagged

Cat. No. CLDN1-1425H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CLDN1 full-length ORF (AAH12471.1, 1 a.a. - 211 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq, Jul 2008]
Molecular Mass	48.95 kDa
AA Sequence	MANAGLQLLGFILAFLGWIGAIVSTALPQWRIYSYAGDNIVTAQAMYEGLWMSCVSQ STGQIQCKVFDSLLNLSSTLQATRALMVVGILLGVIAIFVATVGMKCMKCLEDDEVQK MRMAVIGGAIFLLAGLAILVATAWYGNRIVQEFYDPMTPVNARYEFGQALFTGWAAA SLCLLGGALLCCSCPRKTTSYPTPRPYPKPAPSSGKDYV
Applications	Enzyme-linked Immunoabsorbent Assay

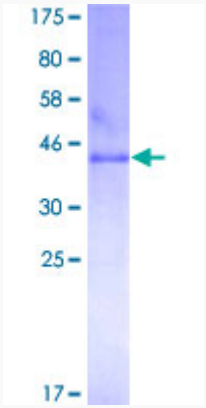
Tel: 1-631-559-9269 1-516-512-3133
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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	CLDN1 claudin 1 [Homo sapiens]
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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Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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