Recombinant Human OCLN

Cat. No. OCLN-27768TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 423-522 of Human Occludin with an N terminal proprietary tag; Predicted MWt 36.63 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	This gene encodes an integral membrane protein that is required for cytokine-induced regulation of the tight junction paracellular permeability barrier. Mutations in this gene are thought to be a cause of band-like calcification with simplified gyration and polymicrogyria (BLC-PMG), an autosomal recessive neurologic disorder that is also known as pseudo-TORCH syndrome. Alternative splicing results in multiple transcript variants. A related pseudogene is present 1.5 Mb downstream on the q arm of chromosome 5.
Molecular Weight	36.630kDa inclusive of tags
Tissue specificity	Localized at tight junctions of both epithelial and endothelial cells. Highly expressed in kidney. Not detected in testis.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	ITSDQQRQLYKRNFDTGLQEYKSLQSELDEINKELSRLDKELDDYREESEEYMAAAD EYNRLKQVKGSADYKSKKNHCKQLKSKLSHIKKMVGDYDRQKT
Sequence Similarities	Belongs to the ELL/occludin family.Contains 1 MARVEL domain.

GENE INFORMATION

Gene Name	OCLN occludin [Homo sapiens]
Official Symbol	OCLN
Synonyms	OCLN; occludin; tight junction protein occludin TM4 minus;
Gene ID	100506658
mRNA Refseq	NM_001205254
Protein Refseq	NP_001192183
MIM	602876
Uniprot ID	Q16625
Chromosome Location	5q13.1

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Pathway	Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem; Leukocyte transendothelial migration, organism-specific biosystem;
Function	protein binding; structural molecule activity; thiopurine S-methyltransferase activity;

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