Recombinant Human OCLN protein, MYC/DDK-tagged

Cat. No. OCLN-3603H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OCLN, fussed with MYC/DDK tag at C-terminal, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	59 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Concentration	>50 ug/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name	OCLN occludin [Homo sapiens]
Official Symbol	OCLN
Synonyms	OCLN; occludin; tight junction protein occludin TM4 minus; tight junction protein occludin; BLCPMG; FLJ08163; FLJ18079; FLJ77961; FLJ94056; MGC34277;
Gene ID	100506658
mRNA Refseq	NM_002538
Protein Refseq	NP_002529
MIM	602876
UniProt ID	Q16625
Chromosome Location	5q13.1
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; Leukocyte transendothelial migration, conserved biosystem; Pathogenic Escherichia coli infection, organism-specific biosystem;
Function	protein binding; structural molecule activity; thiopurine S-methyltransferase activity;

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