

Recombinant Full Length Human OCLN Protein

Cat. No. OCLN-352HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Occludin with an N terminal proprietary tag; Predicted MWt 83.53 kDa inclusive of tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	522 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.
Form	Liquid
Molecular Mass	83.530kDa inclusive of tags
AA Sequence	MSSRPLESPPPYRPFDEFKPNHYAPSNDIYGGEMHVRPMLS QPAYSFYPEDEILHFY KWTSPPGVIRILSMLIIVMCIAIF ACVASTLAWDRGYGTSLLGGSVGYPPYGGSGFGS YGSGYGY GYGYGYGYGGYTDPRAAKGFMLAMAAFCFIAALVIFVTSV IRSEMSRT RRYLSVIIVSAILGIMVFIATIVYIMGVNPT AQSSGSLYGSQIYALCNQFYTPAATGLY

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VDQYSYHYCVVD PQEAIAIVLGFMIIVAFALIIFFAVKTRRKMDRYDKSNIL WDKEHIY
 DEQPPNVEEWVKNVSAGTQDVPSPPSDYVERVD SPMAYSSNGKVNDKRFYPRESS
 YKSTPVPEVVQELPLTSPV DDFRQPRYSSGGNFETPSKRAPAKGRAGRSKRTEQD
 HYET DYTGGESCDELEEDWIREYPPITSDQQRQLYKRNFD TGL QEYKSLQSELD
 EINKELSRDKELDDYREESEEYMAAADE YNRLKQVKGSADYKSKKNHCKQLKSKL
 SHIKKMVG DYDRQ KT

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents: 0.79% Tris HCl, 0.31% Glutathione.

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

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