

Recombinant Human OCLN Protein, His-tagged

Cat. No. OCLN-2523H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human OCLN Protein (Lys266-Thr522) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Lys266-Thr522
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.8 kDa Accurate Molecular Mass: 42 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	OCN occludin [Homo sapiens (human)]
Official Symbol	OCN
Synonyms	OCN; occludin; tight junction protein occludin TM4 minus; tight junction protein occludin; BLCPMG; FLJ08163; FLJ18079; FLJ77961; FLJ94056; MGC34277;
Gene ID	100506658
mRNA Refseq	NM_001205254
Protein Refseq	NP_001192183

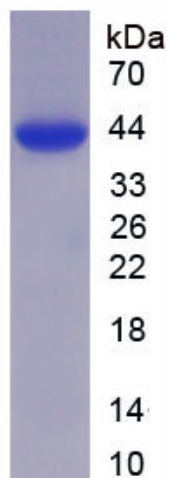
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MIM	602876
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UniProt ID	Q16625
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