Datasheet for ABIN7505510

Occludin Protein (OCLN) (AA 266-522) (His tag)

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Overview

Quantity:	100 µg
Target:	Occludin (OCLN)
Protein Characteristics:	AA 266-522
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Occludin protein is labelled with His tag.

Product Details

Sequence:	Lys266-Thr522
Characteristics:	A DNA sequence encoding the Rat OCLN protein (Q6P6T5) (Lys266-Thr522) was expressed with a N-His .
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	Occludin (OCLN)
Alternative Name:	Occludin (OCLN Products)
Background:	Abbreviation: Occludin,OCLN Target Synonym: Occludin,OCLN_RAT, Background: Rat Occludin is a 523 amino acid (aa), predicted molecular weight 59 kDa integral membrane protein that localizes within tight junctions of epithelial and endothelial cells. May

Target Details

	play a role in the formation and regulation of the tight junction (TJ) paracellular permeability barrier. May be involved in the organization of actin in endothelial cells. Defects in OCLN are the cause of band-like calcification with simplified gyration and polymicrogyria (BLCPMG), also known as pseudo-TORCH syndrome. BLCPMG is a neurologic disorder with characteristic clinical and neuroradiologic features that mimic intrauterine TORCH infection in the absence of evidence of infection. Affected individuals have congenital microcephaly, intracranial calcifications, and severe developmental delay.
Molecular Weight:	Calculated MW: 28.16 kDa Observed MW: 40 kDa
UniProt:	Q6P6T5
Pathways:	Cell-Cell Junction Organization, Hepatitis C

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Expiry Date:	12 months