

Recombinant Rat Occludin/OCLN protein (His tag)

Catalog Number: PDER100043



Note: Centrifuge before opening to ensure complete recovery of vial contents.

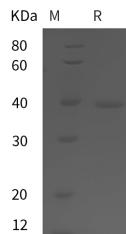
Description

Synonyms	Occludin;OCLN_RAT;
Species	Rat
Expression Host	E.coli
Sequence	Lys266-Thr522
Accession	Q6P6T5
Calculated Molecular Weight	28.2 kDa
Observed molecular weight	40 kDa
Tag	N-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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 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.

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