

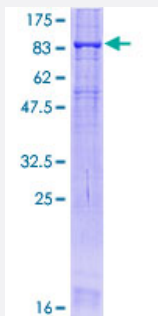
Full-Length

OCLN (Human) Recombinant Protein (P01)

Catalog # H00004950-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human OCLN full-length ORF (AAH29886, 1 a.a. - 522 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSSRPLESPPPYRPDEFKPNHYAPSNDIYGGEHVRPMLSQPAYSFYPEDEILHFYKWTSPPGVI
RILSMLIIVMCIAIFACVASTLAWDRGYGTSLLGGSVGYGYGGSGFGSYGSGYGYGYGYGYGGYT
DPRAAKGFMLAMAAFCFIAALVIFVTSVIRSEMSRTRRYLSVIVSAILGIMVFIATIVYIMGVNPTAQS
SGSLYGSQIYALCNQFYTPAATGLYVDQYSYHYCVVDPQEAIAVLGFMIVAFALIIFFAVKTRRKMD
RYDKSNILWDKEHYDEQPPNVEEWVKNVSAGTQDVPSPPSDYVERVDSPMAYSSNGKVNDKR
FYPESSYKSTPVPEVVQELPLTSPVDDFRQPRYSGGNFETPSKRAPAKGRAGRSKRTEQDHYE
TDYTTGGESCDELEEDWIREYPPITSDQQRQLYKRNFDTLQEQYKSLQSELDEINKELSRDKELD
DYREESEEYMAAADEYNRLKQVKGSADYKSKKNHCKQLKSKLSHIKKMVG DYDRQKT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

82.94

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — OCLN

Entrez GeneID[4950](#)**GeneBank Accession#**[BC029886](#)**Protein Accession#**[AAH29886](#)**Gene Name**

OCLN

Gene Alias

-

Gene Description

occludin

Omim ID[602876](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes an integral membrane protein which is located at tight junctions. This protein may be involved in the formation and maintenance of the tight junction. The possibility of several alternatively spliced products has been suggested but the full nature of these products has not been described. [provided by RefSeq]

Other Designations

tight junction protein occludin TM4 minus

Publication Reference

- [Is later-life depression a risk factor for Alzheimer's disease or a prodromal symptom: a study using post-mortem human brain tissue?](#)

Lindsey I Sinclair, Asher Mohr, Mizuki Morisaki, Martin Edmondson, Selina Chan, A Bone-Connaughton, Gustavo Turecki, Seth Love.

Alzheimer's Research & Therapy 2023 Sep; 15(1):153.

Application: S-ELISA, Human, Human cerebral cortex

- [Helicobacter pylori Employs a Unique Basolateral Type IV Secretion Mechanism for CagA Delivery.](#)

Tegtmeyer N, Wessler S, Necchi V, Rohde M, Harrer A, Rau TT, Asche CI, Boehm M, Loessner H, Figueiredo C, Naumann M, Palmisano R, Solcia E, Ricci V, Backert S.

Cell Host & Microbe 2017 Oct; 22(4):552.

Application: Func, HtrA

- [Kiwifruit cysteine protease actinidin compromises the intestinal barrier by disrupting tight junctions.](#)

Grozdanovic MM, Čavić M, Nešić A, Andjelković U, Akbari P, Smit JJ, Gavrović-Jankulović M.

Biochimica et Biophysica Acta 2016 Mar; 1860(3):516.

Application: Added, Recombinant protein

Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Tight junction](#)