

Recombinant Full Length Human CLDN11 Protein, GST-tagged

Cat. No. CLDN11-2039HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CLDN11 full-length ORF (NP_005593.2, 1 a.a. - 207 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	207 amino acids
Description	This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. The protein encoded by this gene is a major component of central nervous system (CNS) myelin and plays an important role in regulating proliferation and migration of oligodendrocytes. Mouse studies showed that the gene deficiency results in deafness and loss of the Sertoli cell epithelial phenotype in the testis. This protein is a tight junction protein at the human blood-testis barrier (BTB), and the BTB disruption is related to a dysfunction of this gene. Alternatively spliced transcript variants encoding different isoforms have been identified.[provided by RefSeq, Aug 2010]
Molecular Mass	48.4 kDa
AA Sequence	MVATCLQVVGFEVTSFVGWIGVIVTTSTNDWVVTCGYTIPTCRKLDELGSKGLWADC

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VMATGLYHCKPLVDILILPGYVQACRALMIAASVLGLPAILLLLTVLPCIRMGQEPGVA
KYRRAQLAGVLLILLALCALVATIWFVCAHRETTIVSFGYSLYAGWIGAVLCLVGGC
VILCCAGDAQAFGENRFYYTAGSSSPTHAKSAHV

Applications

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

Notes

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

Storage

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

Storage Buffer

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

GENE INFORMATION

Gene Name

CLDN11 claudin 11 [Homo sapiens]

Official Symbol

CLDN11

Synonyms

OSP; OTM

Gene ID

5010

mRNA Refseq

NM_005602.5

Protein Refseq

NP_005593.2

MIM

601326

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UniProt ID

O75508

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