

Recombinant Human TJP1 Protein, His-tagged

Cat. No. TJP1-464H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TJP1(Met1~Val190) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1~Val190
Description	This gene encodes a member of the membrane-associated guanylate kinase (MAGUK) family of proteins, and acts as a tight junction adaptor protein that also regulates adherens junctions. Tight junctions regulate the movement of ions and macromolecules between endothelial and epithelial cells. The multidomain structure of this scaffold protein, including a postsynaptic density 95/disc-large/zona occludens (PDZ) domain, a Src homology (SH3) domain, a guanylate kinase (GuK) domain and unique (U) motifs all help to co-ordinate binding of transmembrane proteins, cytosolic proteins, and F-actin, which are required for tight junction function. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	24.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
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.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	TJP1 tight junction protein 1 (zona occludens 1) [Homo sapiens]
Official Symbol	TJP1
Synonyms	TJP1; tight junction protein 1 (zona occludens 1); tight junction protein ZO-1; DKFZp686M05161; MGC133289; tight junction protein ZO 1; ZO 1; zona occludens 1; zona occludens protein 1; zonula occludens 1 protein; zonula occludens protein 1; ZO-1;
Gene ID	7082
mRNA Refseq	NM_003257
Protein Refseq	NP_003248

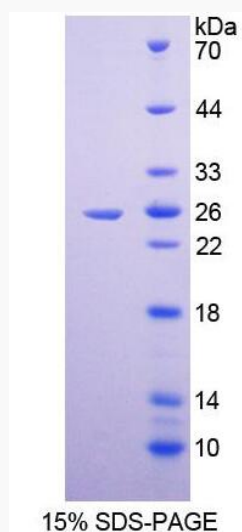
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