

Recombinant Human TJP3 protein, His & T7-tagged

Cat. No. TJP3-1724H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TJP3 aa. (Met1~Leu210 (Accession # O95049)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Leu210
Description	The protein encoded by this gene is a member of the membrane-associated guanylate kinase-like (MAGUK) protein family which is characterized by members having multiple PDZ domains, a single SH3 domain, and a single guanylate kinase-like (GUK)-domain. In addition, members of the zonula occludens protein subfamily have an acidic domain, a basic arginine-rich region, and a proline-rich domain. The protein encoded by this gene plays a role in the linkage between the actin cytoskeleton and tight-junctions and also sequesters cyclin D1 at tight junctions during mitosis. Alternative splicing results in multiple transcript variants encoding distinct isoforms. This gene has a partial pseudogene on chromosome 1.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.4kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	10.2

GENE INFORMATION

Gene Name	TJP3 tight junction protein 3 [Homo sapiens (human)]
Official Symbol	TJP3
Synonyms	TJP3; tight junction protein 3; ZO3; ZO-3; tight junction protein ZO-3; tight junction protein 3 (zona occludens 3); zona occludens protein 3; zonula occludens protein 3
Gene ID	27134
mRNA Refseq	NM_001267560.1

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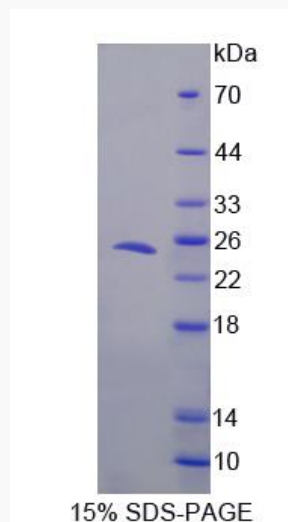
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Protein Refseq NP_001254489.1

UniProt ID O95049

SDS-PAGE



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