

Recombinant Human TJP2 293 Cell Lysate

Cat. No. TJP2-1055HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for tight junction protein 2 (zona occludens 2) (TJP2), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

TJP2 tight junction protein 2 (zona occludens 2) [Homo sapiens]

Official Symbol

TJP2

Synonyms

TJP2; tight junction protein 2 (zona occludens 2); deafness, autosomal dominant 51 , DFNA51; tight junction protein ZO-2; Friedreich ataxia region gene X104 (tight junction protein ZO 2); X104; ZO 2; ZO2; zonula occludens protein 2; Friedreich ataxia region gene X104 (tight junction protein ZO-2); DFNA51; DUP9q21.11; C9DUPq21.11; MGC26306;

Gene ID

9414

mRNA Refseq

NM_001170414

Protein Refseq

NP_001163885

MIM

607709

UniProt ID

Q9UDY2

**Chromosome
Location**

9q13-q21

Pathway

Apoptosis, organism-specific biosystem; Apoptotic cleavage of cell adhesionproteins, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-

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specific biosystem; Apoptotic executionphase, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by Hippo, organism-specific biosystem; Tight junction, organism-specific biosystem;

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