

# Recombinant Human TJP2 protein, His-tagged

**Cat. No.** TJP2-3246H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TJP2 protein(1-289 aa), fused with N-terminal His tag, was expressed in E.coli.                                                                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 1-289 aa                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.                                   |
| <b>AASequence</b>       | MPVRGDRGFPPRRELSGWL RAPGMEELIWEQYTVTLQKDSKRGFGIAVSGGRDNP<br>HFENGETSIVISDVLPGGPADGLLQENDRVVMVNGTPMEDVLHSFAVQQLRKSGKV<br>AAIVVKRPRKVQVAALQASPPLDQDDRAFEVMDEFDGRSFRSGYSERSRLNSHGG<br>RSRSWEDSPERGRPHERARSRERDL SRDRSRGRSLERGLDQDHARTDRSRGRS<br>LERGLDHDFGPSRDRDRDRSRGRSIDQDYERAYHRAYDPDYERAYSPEYRRGARH<br>DARSRGPRSRREH |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                              |
| <b>Storage</b>          | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.                                                                                                                 |

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**Reconstitution**

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

**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

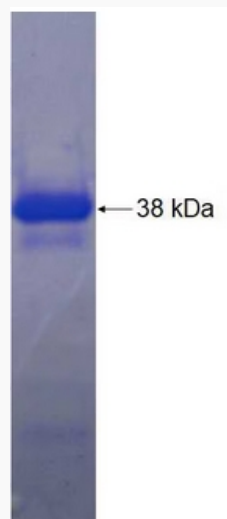
**MIM** 607709

**UniProt ID** Q9UDY2

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**SDS-PAGE**

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