

Recombinant Mouse Tjp1 Protein, Myc/DDK-tagged

Cat. No. Tjp1-6440M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length tight junction protein 1 (Tjp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Tjp1, Tjp2, and Tjp3 are closely related scaffolding proteins that link tight junction (TJ) transmembrane proteins such as claudins, junctional adhesion molecules, and occludin to the actin cytoskeleton. The tight junction acts to limit movement of substances through the paracellular space and as a boundary between the compositionally distinct apical and basolateral plasma membrane domains of epithelial and endothelial cells. Necessary for lumenogenesis, and particularly efficient epithelial polarization and barrier formation. Plays a role in the regulation of cell migration by targeting Cdc42bpb to the leading edge of migrating cells. Plays an important role in podosome formation and associated function, thus regulating cell adhesion and matrix remodeling. With Tjp2 and Tjp3, participates in the junctional retention and stability of the transcription factor Dbpa, but is not involved in its shuttling to the nucleus.
Molecular Mass	195.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and

 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

handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade after receiving vials.

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Tjp1 tight junction protein 1 [Mus musculus (house mouse)]

Official Symbol Tjp1

Synonyms TJP1; tight junction protein 1; tight junction protein ZO-1; zona occludens protein 1; zonula occludens protein 1; ZO1

Gene ID 21872

mRNA Refseq NM_009386

Protein Refseq NP_033412

UniProt ID P39447

 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