

Recombinant Dog TJP1 Protein (1633-1769 aa), His-tagged

Cat. No. TJP1-833D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Dog TJP1 Protein (1633-1769 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Partial.
Species	Dog
Source	E.coli
ProteinLength	1633-1769 aa
Description	The N-terminal may be involved in transducing a signal required for tight junction assbly, while the C-terminal may have specific properties of tight junctions. The alpha domain might be involved in stabilizing junctions. Plays a role in the regulation of cell migration by targeting CDC42BPB to the leading edge of migrating cells.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	18.7 kDa
AA Sequence	VVATARGVFNNNGGVLSSIETGVSIIPQGAIEGVEQEIYFKVCRDNSILPPLDKEKG ETLLSPLVMCGPHGLKFLKPVELRLPHCASMTDPDGWSFALKSSDSSSGDPKWTQNK KCLPGDPNYLVGANCVSVLIDHF
Purity	> 90% as determined by SDS-PAGE.

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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

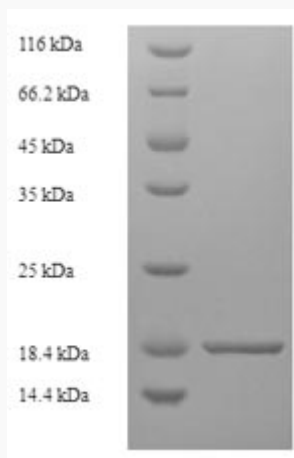
GENE INFORMATION

Gene Name	TJP1 tight junction protein 1 (zona occludens 1) [<i>Canis lupus familiaris</i>]
Official Symbol	TJP1
Synonyms	TJP1; zonula occludens 1; ZO1; ZO-1;
Gene ID	403752
mRNA Refseq	NM_001003140
Protein Refseq	NP_001003140
UniProt ID	O97758

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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