

Product datasheet for **SC214630**

TJP1 (NM_003257) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TJP1 (NM_003257) Human 3' UTR Clone
Symbol:	TJP1
Synonyms:	ZO-1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003257
Insert Size:	1477 bp



[View online »](#)

Insert Sequence: >SC214630 3' UTR clone of NM_003257
The sequence shown below is from the reference sequence of NM_003257. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site
Blue=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

TCTCGTTGGAGCAAACCTGTGTTTCTGTCTTATTGACCACTTT**TA**ACTCTTGAAATATAGGAACTTAAAT
AATGTGAAACTGGATTAACCTTAATCTAAATGGAACCACTCTATCAAGTATTATACCTTTTTAGAGTTG
ATACTACAGTTTGTAGTATGAGGCATTTGTTGAACTGATAAAGATGAGTGAGCATGCCCTGAACCAT
GGTCGGAAAACATGCTACACACTGCATGTTTGTGATTGACGGGACTGTTGGTATTGGCTAGAGGTTCAA
GATATTTTGTGTTGATTTTTGTAATTTTTTATCGTCACTGCTTAACCTCACATATTGATTTCCGTTA
AAATACCAGCCAGTAAATGGGGTGCATTTGAGGTCTGTTCTTTCCAAAGTACACTGTTTCAAACTTTAC
TATGGCCCTGGCCTAGCATACGTACACATTTTATTTTATTATGCATGAAGTAATATGCACACATTTTTTA
AATGCACCTGGAATATAAACCAGTGTGTTGGATTTAACAGAAATGTACAGCAAGGAGATTTACAACCTGG
GGGAGGTTGAAGTGAAGACAATGACTTACTGTACATGAAAACACATTTTTCTTAGGGAAGGATACAAAAG
CATGTGAGACTGGTCCATGGCCTCTTCAGATCTTAACCTCACCATATTACCACAGACATACTAACCAG
CAGAAATGCCTTACCCTCATGTTCTTAATCTTAGCTCATTCTCCTTGTGTTACTAAGTTTTTATGGCTT
TTGTGCATTATCTAGATACTGTATCATGACAAAGACTGAGTACGTTGTGCATTTGGTGGTTTCAGAAATG
TGTTATCACCCAGAAGAAAATAGTGGTGTGATTTGGGGATTTTTTTCTTTTCTTTTCTTTTCTTTTT
TTTTTTTTGACAAGGGCAGTGGTGGTTTTCTGTTCTTTCTGGCTATGCATTTGAAAATTTTGATGTTT
TAAGGATGCTTGTACATAATGCGTGCATACCACCTTTTGTCTTGGTTTGTAAATTAACCTTTATAAACTT
TACCTTTTTTATACATAAACAAGACCAGTTTCTAAAGGCTACCTTTGTATTCTCTCCTGTACCTTTGA
GCCTTGAACCTTTGACCTCTGCAGCAATAAAGCAGCGTTTCTATGACACATGCAAGGTCATTTTTTTAAAG
AAAAAGGATGCACAGAGTTGTTACATTTTTAAGTGTGCTGCATTTAAAAGATACAGTTACTCAGAATCTCT
AGTTTGATTAATTTCTTGCAAAGTATCCCTACTGTAATTTGTGATACAATGCTGTGCCCTAAAGTGATT
TTTTTACTAATAGACAATTTATATGGCACATCAGCACGATTTCTGTTTAGATAATACCCACTACATTC
TGTTAATCATTAGGTGTGACTGAATTTCTTTGCCGTTATTAATAATCTCAAATTTCTAAATCTCCAAAA
TAAACT

ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_003257.3](#)

Summary:

This gene encodes a member of the membrane-associated guanylate kinase (MAGUK) family of proteins, and acts as a tight junction adaptor protein that also regulates adherens junctions. Tight junctions regulate the movement of ions and macromolecules between endothelial and epithelial cells. The multidomain structure of this scaffold protein, including a postsynaptic density 95/disc-large/zona occludens (PDZ) domain, a Src homology (SH3) domain, a guanylate kinase (GuK) domain and unique (U) motifs all help to co-ordinate binding of transmembrane proteins, cytosolic proteins, and F-actin, which are required for tight junction function. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2017]

Locus ID:

7082