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Product datasheet for SC214629

TJP1 (NM_175610) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TJP1 (NM_175610) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TJP1
Synonyms:	ZO-1
ACCN:	NM_175610
Insert Size:	2000 bp

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Insert Sequence:

>SC214629 3'UTR clone of NM_175610
The sequence shown below is from the reference sequence of NM_175610. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TGTGTTTCTGTCCTTATTGACCACTTTTAACTCTTGAAATATAGGAACTTAAATAATGTGAAACTGGAT
TAAACTTAATCTAAATGGAACCACTCTATCAAGTATTATACCTTTTTTAGAGTTGATACTACAGTTTGT
TAGTATGAGGCATTTGTTTGAACTGATAAAGATGAGTGAGCATGCCCCTGAACCATGGTCGGAAAACAT
GCTACACACTGCATGTTTGTGATTGACGGGACTGTTGGTATTGGCTAGAGGTTCAAAGATATTTTGCTT
TGTGATTTTTGTAATTTTTTTATCGTCACTGCTTAACTTCACATATTGATTTCCGTTAAAATACCAGCC
AGTAAATGGGGGTGCATTTGAGGTCTGTTCTTTCCAAAGTACACTGTTTCAAACTTTACTATGGCCCTG
GCCTAGCATACGTACACATTTTATTTTATTATGCATGAAGTAATATGCACACATTTTTTAAATGCACCT
GGAATATATAACCAGTGTTGTGGATTTAACAGAAATGTACAGCAAGGAGATTTACAACTGGGGGAGGGT
GAAGTGAAGACAATGACTTACTGTACATGAAAACACATTTTTCTTAGGGAAGGATACAAAAGCATGTGA
GACTGGTTCCATGGCCTCTTCAGATCTCTAACTTCACCATATTACCACAGACATACTAACCAGCAGAAA
TGCCTTACCCTCATGTTCTTAATTCTTAGCTCATTCTCCTTGTGTTACTAAGTTTTTATGGCTTTTGTG
CATTATCTAGATACTGTATCATGACAAAGACTGAGTACGTTGTGCATTTGGTGGTTTCAGAAATGTGTT
ATCACCCAGAAGAAAATAGTGGTGTGATTTGGGGATATTTTTTTCTTTTCTTTTCTTTTCTTTTTTTTT
TTTTTTGACAAGGGGCAGTGGTGGTTTTCTGTTCTTTCTGGCTATGCATTTGAAAATTTTGATGTTTTA
AGGATGCTTGTACATAATGCGTGCATACCACTTTTGTTCTTGGTTTGTAAATTAACTTTTATAAACTTT
ACCTTTTTTATACATAAACAAGACCACGTTTCTAAAGGCTACCTTTGTATTCTCTCCTGTACCTCTTGA
GCCTTGAACTTTGACCTCTGCAGCAATAAAGCAGCGTTTCTATGACACATGCAAGGTCATTTTTTTTAA
GAAAAAGGATGCACAGAGTTGTTACATTTTTAAGTGCTGCATTTAAAAGATACAGTTACTCAGAATTCT
CTAGTTTGATTAAATTCTTGCAAAGTATCCCTACTGTAATTTGTGATACAATGCTGTGCCCTAAAGTGT
ATTTTTTTACTAATAGACAATTTATTATGGCACATCAGCACGATTTCTGTTTAGATAATACACCACTAC
ATTCTGTTAATCATTAGGTGTGACTGAATTTCTTTTGCCGTTATTAAAAATCTCAAATTTCTAAATCTC
CAAAATAAAACTTTTTAAAATAAAGTGCTGGCTTGGTCTGTTTGCCCACTGTTTTCTAGTTTCATGCAG
CTTTATAATCCTGTTTTAAAATCCTGCACACAAATCCCTATCACCCAGCGTCACCTACCACCTCGTCGT
CTGGTGTTGCATGCAGAATTTCTCCCCTTGGCCAGCATGTACAGATGGGTGGGCAGTGCTCATCTGAAG
GGCTCAGACTGAAGTGGGGCAGAAGGACCTGGAGACAGAGTGGGAGAAGGCAGCAGGCCGACTTCCCCC
TGTGGGTAAACACACACCCCTGCGTGGAGAAACACCCCTGCATGGGGACACACGTGCGTTTGTGTGTGT
GCGTGTAACCATTTGTATATGGTTTTATTCCCCAGATAAATAGCACGGGCATTGTTTAATGTCACCCAC
ATTTGGGGGAAGAAAATGGGTTTAGTGAGCATAAATATTCCATTGTGGACATCCTACTTACTTAACTGC
CACCCCTGTTGACATTTGGATTATTGCTATAGTGTTTCAGTAAACACCTTTGTGGACTGAATCCATCT
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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_175610.4

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

MW: 77