

Product datasheet for MR211737

Tjp2 (NM_011597) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tjp2 (NM_011597) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tjp2
Synonyms:	ZO-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211737 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGGAGGAGGTGATATGGGAGCAGTACACCGTGACCCTGCAGAAGGATCCAAAAGAGGATTTGGAATTG
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AAAATGGTGAGGTTCAAGAAGGGAGACAGCGTGGGCCTCCGGTTGGCTGGTGAAACGACGTTGGGATAT
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Protein Sequence: >MR211737 protein sequence
 Red=Cloning site Green=Tags(s)

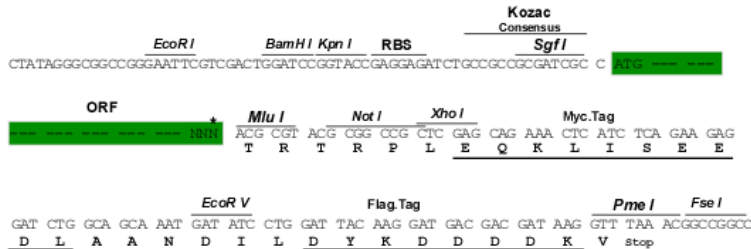
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 GRSIDRDYDRDYERSYHEAYEPDYGGYSPSYDRRAHPETRYERSRSREHLRSRSPSPESRSRHEHKGQH
 DPDRPIGVLLTKSKANEYGLRLGSQIFIKEMTRTGLATKDGNLHEGDIILKINGTVTENMSLTDARKLI
 EKSRGKLQVLVLRDQKQTLINIPALNDSSEVEDISEIESNRSFSPEERRQQYSDQDYHSSTEKLERKPS
 SREETSGLSRMGATPTPFKSTGDITAAGVTEASREPRYQEEGVPVQPRTAPRVFLRPSPEDEAIYGPNT
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 GNELEKGLIPNKSRAEQMASVQNAQRENAGDRADFWRMRGQRSSGGVKKNLKRSREDLAAAVSVSTKFP
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 GGAYTDNELEEPAAEPLVSSITRSSEPQHEENIRKSSPEPRAQMRRAASRDQLRDASPPPAFKPEPPKA
 RSQNREDSFDYSKSNLPATAGSEIPGGSTKGYPPPAAKPAFGRPILKSTPVPMPPESEEVEGESTEEQED
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 KAPSRLYQDTRGSYGSDPPEEEYRQQLAAHSKRGYYSQPSRYRDEL

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Restriction Sites:
 Cloning Scheme:

Sgfl-MluI

Cloning sites used for ORF Shuttling:

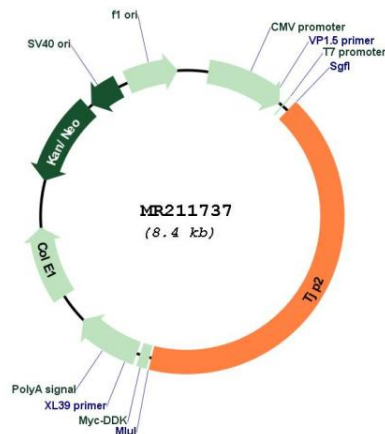


* The last codon before the Stop codon of the ORF

ACCN: NM_011597

ORF Size: 3504 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_011597.3 , NM_011597.4
RefSeq Size:	4627 bp
RefSeq ORF:	3504 bp
Locus ID:	21873
UniProt ID:	Q9Z0U1
Cytogenetics:	19 B
MW:	131.3 kDa
Gene Summary:	Plays a role in tight junctions and adherens junctions.[UniProtKB/Swiss-Prot Function]

Product images:


Circular map for MR211737