

## Product datasheet for MR212081

### Tln2 (BC079896) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tln2 (BC079896) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tln2  
**Synonyms:** 5730421P04Rik; AI507121; AI787438; AL118320; mKIAA0320  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR212081 representing BC079896  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGGAGTCAACTATGTTGGAAGAATCAGTTTCCCCAAAAAATCTACCATCCTGCAGCAGCAGTTCA  
 ACCGGACTGGGAAAGCAGAGCATGGTTCGGTAGCACTGCCAGCTGTCATGCGCTCTGGCTCCAGTGGGCC  
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 AGCAGGCTCAGGATGACCTCAGCGAGCTCGACTCGCTGCCACCCCTCGGCCAAGATATGGCATCTAGGGT  
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 CAAGGCCCTTTCCGATCTCATTGGTGTACCAAGGGAGCTGCCAGCAAGCCGGCTGACGACCCCTCCATG  
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 TGAAGACGAGGCCACCCGGGCAAGGGCACTTGGGCCACCATCGAGTACATAAAACAGGAGCTCAC  
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 GCTGGTGGCTGCAAGGTGAAGGCCGACCAGGATTGAGAGTCTATGAAGCGGCTACAGGTAATGGTCACT  
 GATGCTGGTGGGAAAATACTCCTGTTGGAGCGGGCGGCAGGAAATGCTGTGAAAAGAGCCTCAGACAATC  
 TTGTTCTGTCAGCCAGAAGGCAGCATTGGCAAAGCTGATGATGACGATGTTGTGGTGAACCAAGTT

CGTGGGAGGCATTGCTCAGATCATTGCAGCCCAGGAGGAAATGCTGAAGAAAGAACGAGAGCTGGAGGAA  
GCCAGGAAGAAGCTGGCCAGATCCGCCAGCAGCAGTACAAATTCCTCCCCACAGAGCTGAGGGAAGATG  
AGGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR212081 representing BC079896  
Red=Cloning site Green=Tags(s)

MRSQLCWKNQFPQKSTILQQQFNRTGKAEHGSVALPAVMRSGSSGPETFNVGSMPSQQQVMVGMHRG  
HMPPLTSAQQALMGTINTSMHAVQQAQDDLSELDLPLGQDMASRVVWQNKVDESKHEIHSQVDAITAG  
TASVVNLTAGDPADTDYAVGCAITTISSNLTEMSKGVKLLAALMDDDVSGEDLLRAARLAGAVSDLL  
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EDTVLQNRVIAAATQCALSTSQLVACAKVVSPTISSPVCQEQLIEAGKLVDRSVENCVRACQAATSDSEL  
LKQVSAASVVSQALHDLLQHVRQFASRGEPIGRYDQATDTIMCVTESIFSSMGDAGEMVRQARVLAQAT  
SDLVNAMRSDAEAEIDMENSKLLAAKLLADSTARMVEAAKGAANPENEDQQQRLREAAEGLRVATNA  
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AQAEEDLSAQLALIISSQNFLQPGSKMVSSAKAAVPTVSDQAAAMQLSQCANKLATSLAELRTASQKAHEA  
CGPMEIDSALNTVQTLKNELQDAKMAAAESQLKPLPGETLEKCAQDLGSTSKGVGSSMAQLLTCAAQNGE  
HYTGVAARETAQALKTLQAARGVAASTNDPEAAHMLDSARDVMEGSAMLIQEAKQAL IAPGDTE SQQR  
LAQVAKAVSHSLNNCVNCLPGQKDVVVALKSIGEASKLLVDSLPPSTKPFQEAQSELNQAADLNQSAG  
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DKLAQAAQSSAATITQLAEVVKLGAASLGSNDPETQVVLINAIKDVAKALSDLIGATKGAASKPADDPSM  
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ITMATAKAVAAGNSCRQEDVIATANLSRKAVSDMLIACKQASFYPDVSEEVRRALRYGTECTLGYL DLL  
EHLVILQKPTPELKHQLAAFSKRVAGAVTEL IQAAEAMKGTEWVDPEDPTVIAETELLGAAASIEAAAK  
KLEQLKPRAKPKQADETLDFEEQILEAAKSIAAATSALVKSASAAQRELVAQGVGSIIPANAADDGQWSQ  
GLISAARMVAAATSSLCEANASVQGHASEEKLISSAKQVAASTAQLLVACKVKADQDSESMKRLQVMVT  
DAGGKILLERAAGNAVKRASDNLVRAAQKAAFGKADDDVVVKTKFVGGIAQIIAAQEEMLKKERELEE  
ARKKLAQIRQQYKFLPELREDEG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



<b>ACCN:</b>	BC079896
<b>ORF Size:</b>	5325 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC079896.1</a>
<b>RefSeq Size:</b>	6238 bp
<b>RefSeq ORF:</b>	5327 bp
<b>Locus ID:</b>	70549
<b>Cytogenetics:</b>	9 C
<b>MW:</b>	228.7 kDa
<b>Gene Summary:</b>	As a major component of focal adhesion plaques that links integrin to the actin cytoskeleton, may play an important role in cell adhesion. Recruits PIP5K1C to focal adhesion plaques and strongly activates its kinase activity (By similarity).[UniProtKB/Swiss-Prot Function]