

Product datasheet for SC304216

Talin 2 (TLN2) (NM_015059) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Talin 2 (TLN2) (NM_015059) Human Untagged Clone
Tag:	Tag Free
Symbol:	TLN2
Synonyms:	ILWEQ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304216 representing NM_015059. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGGCCCTGTCTTAAAGATTTGTGTGCGCCACTGCAACGTGGTGAAGACCATGCAGTTTGAACCA
TCTACAGCTGTGTACGATGCGTGTGCGAGTCATTGCGGAACGGGTGCCTGAGGCACAACTGGGCAAGCT
TCTGACTATGGACTCTTTCTTTCCGGATGAAGACCCGAGGAAAGGGATTTGGCTGGAAGCGGGCAGAACA
CTGGATTACTACATGTTGCGGAATGGGGATATTTTGAATATAAAAAGAAACAGAGACCTCAGAAAATC
CGGATGCTGGATGGATCTGTGAAGACAGTATGGTGGATGATTCCAAGACTGTGGGGAGCTCCTGGTC
ACTATTTGTAGCAGAATAGGAATAACAAATTATGAAGAATACTCCTTAATCCAAGAACTATTGAAGAA
AAGAAAGAGGAAGGAACGGGCACACTCAAAAAGACAGGACACTGTTACGAGATGAGAGGAAAATGGAG
AAGTTGAAGGCCAAGCTGCACACAGATGATGACCTAAATTGGCTGGATCACAGCCGAACATTCAGAGAA
CAAGGAGTAGATGAAAACGAAACGTTGCTGCTTAGACGGAAGTTCTTTACTCTGATCAGAATGTAGAT
TCGAGAGACCCCGTGCAGCTGAACCTTGCTTTATGTTTCAGGCACGGGATGACATCCTGAATGGCTCTCAC
CCTGTCTCCTTCGAGAAAGCTTGTGAGTTTGGTGGATTCAAGCCAGATACAATTTGGACCTCATGTG
GAACATAAACACAAACCTGGATTTTGTAGATCTGAAGGAATTCCTGCCAAAGAATATATCAAGCAGAGA
GGAGCTGAAAAGAGGATCTTTTCAAGGACATAAAGAACTGCGGAGAGATGAGTGAGATAGAAGCCAAGGTC
AAGTACGTCAAACCTCGCACGGTCCCTCCGCACATATGGCGTGTCTTCTTCTGGTGAAGGAGAAGATG
AAAGGCAAGAACAAGCTGGTGCCTCGCCTGCTGGGGATCACAAAGACTCGGTGATGCGCGTGGATGAG
AAGACCAAGGAAGTGCTGCAGGAGTGGCCCTCACACCCTCAAGCGCTGGGCAGCCTCACCCAAGAGC
TTCACACTGGATTTTGGGAGTATCAGGAAAGCTACTATTAGTACAAACCACCGAGGGAGAGCAGATA
TCCCAGCTGATTGCAGGCTACATTGACATCATCCTGAAAAAGAAACAAAGTAAAGATCGATTTGGACTA
GAAGGTGATGAGGAGTCAACCATGTTAGAAGAGTCCGTTTCCCCAAAAAGTCCACCATCTTGCAGCAG
CAGTTCAACCGGACCGGGAAGGCAGAGCACGGCTCAGTGGCGCTGCCGGCGTGATGCGCTCGGGCTCC
AGCGGGCCTGAGACCTTCAACGTTGGCAGCATGCCCTCGCCACAGCAGCAGGTGATGTTGGGCAGATG
CACCGAGGCCACATGCCGCCACTGACCTCAGCCCAGCAGGCCCTGATGGGGACCATCAACACAAGCATG
```



[View online »](#)

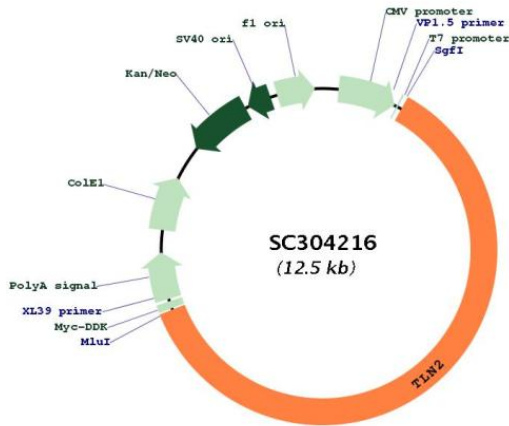
CACGCCGTCCAGCAGGCCCAGGATGATCTCAGTGAGCTCGACTCGCTGCCACCTCTCGGCCAGGATATG
GCATCTAGGGTATGGGTTTCAAGCAAAGTCGACGAATCCAAACACGAAATCCATTCTCAAGTTGATGCT
ATCACGGCCGGAACGGCTTCAGTTGTTAACCTCACAGCTGGTGACCCTGCAGACACTGACTACACAGCT
GTGGGATGTGCGATCACCCTATTTCTTCAACCTGACGGAGATGTCCAAGGGTGTGAAGCTATTGGCC
GCCCTCATGGATGATGAGGTGGGAGCGGGGAGGACTTGTCTCAGAGCTGCCAGGACCCTCGCTGGGGCG
GTGTCAGACTTGTGAAAGCTGTGCAGCCTACTTCTGGAGAGCCTCGACAGACAGTTTGGACTGCTGCT
GGCAGCATCGGACAAGCCAGTGGGGATCTTCTGAGACAGATTGGAGAGAATGAGACTGATGAGCGATT
CAGGATGTTTTAATGAGTTTGGCCAAAGCTGTTGCCAATGCAGCTGCCATGTTGGTACTAAAGGCAAAG
AATGTTGCCAAAGTGGCCGAAGACTGTCTACAGAACAGGGTAATTGCTGCTGCCACCCAGTGTGCC
CTCTCCACCTCCCAGCTTGTGGCATGTGCCAAGGTTGTGAGCCCCACTATTAGCTCCCCTGTGTGCCAG
GAGCAGCTGATTGAAGCAGGGAAGCTGGTGGACCCTCGTGGAGAAGTGTGCGTGCCTGCCAGGCG
GCCACTACCGATAGTGAGCTCCTGAAGCAGGTGAGCGCAGCGGCCAGCGTGGTGCAGCCAGGCCCTCCAT
GATCTCCTGCAGCATGTGCGGAGTTTCCAGCCGAGGCGAGCCCATCGGCCGCTACGACCAGGCTACT
GACACCATCATGTGTGTCACCGAGAGCATCTTCAGCTCCATGGGTGACGCTGGTGAATGGTGCGCCAG
GCGCGGGTTCTGGCCCAAGCCACATCAGACCTCGTCAATGCCATGAGGTGAGATGAGAAGCCGAAATC
GACATGGAGAATTCAAAGAAGCTCCTGGCAGCAGCAAACTCTTAGCTGACTCCACTGCTCGCATGGTG
GAAGCTGCAAAGGGGGTGCAGCCAACCCAGAGAATGAGGACCAGCAGCAAAAGGCTGAGAGAAGCTGCA
GAAGGCCCTCCGGGTAGCAACCAACGCAGCTGCCAGAATGCTATTAAGAAAAAATTGTCAACCGACTG
GAGGTTGCAGCCAAGCAGGCCGAGCGGCAGCCACACAGACCATCGCCGCTCCCAGAAATGCAGCTGTT
TCCAACAAGAACCCTGCGGCCAGCAGCAGCTGGTCCAGAGTTGCAAGGCAGTGGCTGATCACAATCCCT
CAGCTGGTCCAGGAGTGAAGGGGAGCCAAAGCTCAAGCTGAAGACCTGAGTGCCAGCTGGCTCTCATC
ATCTCCAGCCAGAATCTCTCCAGCTGGAAGCAAGATGGTGTCTCTGCCAAAGCCGAGTGGCCACC
GTGAGTACCAGGCCGAGCCATGCAGCTGAGCCAGTGTGCCAAGAACCCTGGCCACCAGTGGCCAGG
CTGCGTACCGCCTCGCAGAAGGCCATGAAGCTTGTGGTCCGATGGAAATCGATTACAGCTCTGAATACG
GTGCGAGACGCTTAAGAATGAAGTGCAGGATGCCAAGATGGCAGCCGTTGGAGGCCAGCTGAAGCCACTT
CCAGGGGAAACGCTGGAAAAATGTGCTCAGGACCTGGGAAGCACAATCCAAGGCGGTGGGCTCCTCCATG
GCACAGCTGCTGACCTGTGCTGCTCAAGGCAACGAACACTACACAGGGGTGGTGTAGAGAGACGGCC
CAAGCTCTGAAAACACTGGCCAGGCCGCGCCGTTGGAGTGGCTGCATCGACAACCGACCCCGCGGCC
CATGCCATGTTAGATTCTGCTCGAGACGTGATGGAGGGCTCCGCCATGCTCATTCAAGAGGCCAAGCAG
GCCCTGATTGACCTGGAGATGCAGAGCGTCAACAAGACTGGCTCAGGTGGCTAAAGCCGTCTCACAC
TCCTTGAATAACTGCGTAAATTGCCTCCCTGGGAGAAGGATGTGGACGTGGCCTTGAAGAGCATCGGG
GAGTCCAGCAAGAAGCTGCTTGTGGATTGCTACCTCCAAGCACGAAGCCTTCCAGGAAGCCAGAGT
GAACTGAACCAGGCAGCAGCTGATCTGAACCAGTCTGCTGGGGAAGTGGTCCATGCCACCCGGGGCCAG
AGTGGAGAGTTGGCTGCAGCCTCTGAAAAGTTCAGTGATGATTTTGTGAATTCCTCGATGCTGGCATT
GAGATGGCTGGCCAAGCTCAGACAAAAGAAGACCAGATCCAAGTATAGGGAACTCAAGAATATCTCG
ATGGCATCCAGCAAGCTGCTGTTAGTGCCAAGTCTCTCTGTAGATCCAGGAGCTCCCAATGCGAAA
AATCTCCTGGCTGCAGCTGCAAGAGCTGTGACAGAGAGCATCAATCAACTCATCACTCTGTGTACCCAA
CAAGCTCCGGGCCAGAAAGAGTGCATAATGCCCTGCGGGAGCTCGAGACTGTGAAGGGGATGTTGGAC
AATCCTAATGAACCTGTTAGTGACCTCTTACTTTGACTGCATTGAGAGTGTGATGGAAAACTCCAAG
GTTCTGGGTGAATCGATGGCAGGGATTTACAGAATGCCAAGACCGGAGACCTCCCTGCCTTTGGGGAA
TGTGTGGGGATTGCATCCAAGGCTCTGTGGGCTGACAGAGGCTGCAGCCAGGCTGCATACTTGTT
GGCATCTCTGATCCAACAGCCAGGCAGGCCACCAGGCTGGTGGACCCATCCAGTTTGCAGGGCT
AACCAGGCCATCCAGATGGCATGCCAGAATTTGGTGGACCCTGGCAGCAGCCATCACAGGTCTGTCA
GCCGCCACAATTGTTGCCAAGCACAGCTCAGCCTTGTGCAATGCCTGCCGCATCGCTCATCAAGACG
GCCAACCCAGTAGCCAAGAGGCACTTCGTCCAGTCAAGGAAGTCCCAACAGCACTGCCAACCTG
GTGAAGACCATCAAGGCCCTGGATGGGGATTTCTCTGAAGACAACCGCAATAAGTGTGCATCGCCACC
GCACCTTGATTGAAGCTGTGGAGAACCTGACAGCGTTCCCTCAAACCTGAGTTTGTGAGCATCCT
GCCAGATCAGCTCCGAGGGTCCAGGCACAGGAACCAATCCTGGTCTCAGCCAAGACCATGCTGGAG
AGTTCATCGTACCTCATTGCACTGCACGCTCTGTGGCATCAACCCAAAGACCCACCCACCTGGTCT
GTAAGTGGTGGACATTCCCATACAGTGTCCGACTCCATCAAGAGTCTCATCACTTCTATCAGGGACAAG
GCCCTGGACAGAGGGAGTGTGATTACTCCATCGATGGCATCAACCGGTGCATCCGGGACATCGAGCAG
GCCTCGTGGCCGCGTCCAGCCAGAGCCTGGCCACGAGGGACGACATCTGTGGAGGCCCTGCAGGAG

CAGCTGACTTCGGTGGTCCAGGAAATCGGACACCTTATCGATCCCATCGCCACAGCGGCTCGGGGAGAA
 GCAGCTCAGCTGGGACATAAGGTGACACAACCTGGCAAGCTATTTTGAGCCCTTGATCTTAGCCGAGTT
 GGTGTGGCCTCCAAGATTCTTGATCATCAGCAGCAGATGACGGTGTGGACCAGACCAAGACTCTCGCA
 GAGTCTGCCTTGACAGATGTTGTATGCAGCCAAAGAAGGTGGCGGAAACCCCAAGGCACAACACCCAT
 GACGCCATCACAGAGGCCGCCAGTTGATGAAGGAAGCCGTGGATGACATCATGGTGACGCTGAACGAA
 GCTGCCAGTGAAGTGGGCTGGTGGGGCATGGTGGACGCCATTGCAGAAGCCATGAGCAAGCTGGAT
 GAAGGCACCTCCAGAACCAAGGGAACATTTGTCGACTATCAGACGACTGTGGTTAAATACTCCAAA
 GCCATTGCGGTGACAGCTCAGGAAATGATGACTAAGTCGGTTACTAACC CGGAGGAGTTGGGAGGACTG
 GCTTCACAAATGACCAGTGACTATGGGCACCTGGCTTTCAGGGCCAGATGGCAGCAGCCACGGCGGAA
 CCAGAGGAGATCGGATTCAGATTCGCACTCGTGTGCAGGACCTGGGCCACGGCTGTATCTTCTGGTG
 CAGAAGGCAGGGGCCCTCAGGTCTGCCCCACAGACAGCTACACCAAGAGGGAGCTGATCGAATGCGCC
 CGTGCCGTACGGAAAAGGTCTCCTTGGTGTCTCGGCTCTCAGGCCGGGAACAAGGAACCCAGGCA
 TGCATTACAGCCGCCACCGCTGTGTCTGGGATCATTGCCGACCTGGACACCATTATGTTTGAACA
 GCGGGGACGCTGAATGCAGAGAAGTGCAGACCTTCGAGACCACAGGGAGAACATTCTCAAGACGGCC
 AAGGCCTTGGTAGAAGACACGAACTACTTGTGTGAGGAGCTGCGTCCACTCCTGACAAGCTGGCCAG
 GCGGCCAGTCCCTCAGCAGCCACCATCACCCAGCTCGCAGAAGTGGTCAAGCTGGGGGCAGCCAGCCTG
 GGCTCCGACGACCCCGAGACCCAGGTGGTTTTGATCAATGCCATCAAAGATGTGGCCAAGGCCCTTCT
 GATCTCATCAGTGTACCAAGGGAGCTGCCAGCAAGCCAGTGGACGACCCCTTCCATGTACCAGCTCAAG
 GGGGCTGCCAAGGTGATGGTGACCAATGTCACCTCGCTCCTCAAGACTGTAAAGGCAGTGGAGGATGAG
 GCCACCCGGGGCACAGGGCGCTTGAGGCCACAATTGAATGCATAAAGCAGGAGCTTACGGTGTCCAG
 TCAAAAGACGTACCTGAAAAGACATCATACCTGAAGAATCCATAAGGATGACGAAAGGCATCACCATG
 GCAACAGCCAAAGCCGTGCAGATATGTTGACGGCTTGCAAGCAAGCATCCTTCCACCCGATGTCAGTGAC
 AGCCGGAAGCCGTGTCAGATATGTTGACGGCTTGCAAGCAAGCATCCTTCCACCCGATGTCAGTGAC
 GAGGTGAGAACCAGAGCCTTGCCTTTCGGGACGGAGTGACCCCTTGGCTACTTGGACCTCCTGGAGCAC
 GTCTTGGTGATTCTTCAGAAACCAACCCAGAATTCAAGCAGCAGCTGGCCGCTTCTCCAAGCGAGTC
 GCCGGCGTGTGACAGAGCTCATCCAGGCGCGGAAGCCATGAAAGGAACAGAGTGGGTGGATCCAGAA
 GACCCAAGTGTATTGCAGAAACAGAGTACTGGGGGCTGCAGCATCCATCGAAGCTGCTGCTAAGAAG
 TTAGAGCAACTGAAGCCAAGAGCAAAACCAAAACAAGCGGATGAGACCCTGGACTTTGAGGAACAGATC
 TTGGAAGCTGCTAAATCCATTGCTGTGCCACAAGCGCCCTGGTCAAATCGGCCCTCAGCAGCCAGAGG
 GAGCTGGTGGCCAAAGGAAAGGTGGGCTCCATCCCTGCCAATGCTGCAGACGACGGACAGTGGTCACAG
 GGGCTGATTTCTGCTGCCGGATGGTGGCGGCTGCGACCAGCAGTCTCTGTGAGGCGGCCAATGCCTCC
 GTTCAGGGACACGCCAGCGAGGAGAAGCTCATCTCATCTGCCAAGCAGGTGCGCCGTTCCACGGCTCAG
 CTGCTGGTGGCCTGCAAGGTGAAGGCCGACCAGGATTCAGAGGCCATGAGGCGGCTACAGGCGGCAGGA
 AATGCTGTGAAAAGAGCCTCAGACAATCTTGTCCGTGCAGCCCAGAAGGCAGCTTTTGGCAAAGCTGAT
 GACGACGATGTTGTAGTAAAACCAAGTTTGTGGGGGCATTGCTCAGATCATCGCCGCCAGGAAGAA
 ATGCTAAAGAAAGAGCGAGAAGTGAAGAAGCAAGGAAAAAACTGGCCCAATCCGCCAGCAGCAGTAT
 AAGTTTTTACCCACCGAGCTGAGGGAAGATGAGGGCTAA
 ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

Sgfl-Mlul

Plasmid Map:



ACCN: NM_015059

Insert Size: 7629 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_015059.2</u>
RefSeq Size:	11650 bp
RefSeq ORF:	7629 bp
Locus ID:	83660
UniProt ID:	<u>Q9Y4G6</u>
Cytogenetics:	15q22.2
Protein Families:	Druggable Genome
Protein Pathways:	Focal adhesion
MW:	271.6 kDa
Gene Summary:	<p>This gene encodes a protein related to talin 1, a cytoskeletal protein that plays a significant role in the assembly of actin filaments and in spreading and migration of various cell types, including fibroblasts and osteoclasts. This protein has a different pattern of expression compared to talin 1 but, like talin 1, is thought to associate with unique transmembrane receptors to form novel linkages between extracellular matrices and the actin cytoskeleton. [provided by RefSeq, Jul 2008]</p>