

Product datasheet for **SC128122**

TLL1 (NM_012464) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TLL1 (NM_012464) Human Untagged Clone
Tag:	Tag Free
Symbol:	TLL1
Synonyms:	ASD6; TLL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_012464, the custom clone sequence may differ by one or more nucleotides

```
ATGGGGTTGGGAACGCTTCCCGAGGATGCTCGTGTGGCTGGTGGCCTCGGGGATTGTTTTCTACGGG
AGCTATGGGTCTGCGCTGGCCTCGATTATGATTACACTTTTGATGGGAACGAAGAGGATAAAACAGAGAC
TATAGATTACAAGGACCCGTGTAAGGCCGCTGTATTTGGGGCGATATTGCCCTTAGATGATGAAGACTTA
AATATCTTTCAAATAGATAGGACAATTGACCTTACGCAGAACCCCTTTGGAAACCTTGGACATACCACAG
GTGGACTTGGAGACCATGCTATGTCAAAGAAGCGAGGGGCCCTCTACCACTTATAGACAGGATAAGAAG
AATTGGCTTTGGCTTGGAGCAAAAACAACACAGTTAAGGGAAAAGTACCTCTACAATTCTCAGGGCAAAA
GAGAAAAATCGAGTTCAGAGCCGCTACATCAAGAACGGAAAGAATATGGCCTGGAGGCGTTATTCCTT
ATGTTATAGGAGGAACTTCACTGGCAGCCAGAGGCCATGTTCAAGCAGGCCATGAGGCACTGGGAAAA
GCACACATGTGTGACTTTCATAGAAAGAAGTGATGAAGAGAGTTACATTGTATTCACCTATAGGCCCTTG
GGATGCTGCTCCTATGTAGTTCGGCGAGGAAATGGACCTCAGGCAATCTCTATCGGCAAGAACTGTGATA
AATTTGGGATTGTTGTTTCAATGAATTGGGTGATGTGATAGGCTTTTGGCATGAACACACAAGACCAGATCG
AGATAACCACGTAACATATCATAAGAGAAAAACATCCAGCCAGGTCAAGAGTACAATTTTCTGAAGATGGAG
CCTGGAGAAGTAAACTCACTTGGAGAAAGATATGATTTGACAGTATCATGCACTATGCCAGGAACACCT
TCTCAAGGGGGATGTTTCTGGATACCATTCCTCCCTCCCGTGTGATAATGGCATACGTCCTGCAATTGG
TCAGCGAACCCGCTAAGCAAAGGAGATATCGCACAGGCAAGAAAGCTGTATAGATGTCCAGCATGTGGA
GAAACTCTACAAGAACCAATGGCAACCTTTCCTCTCCAGGATTTCCCAATGGCTACCCTTCTTACACAC
ACTGCATCTGGAGAGTTTCTGTGACCCAGGGGAGAAGATTGTTTTAAATTTTACAACGATGGATCTATA
CAAGAGTAGTTTGTGCTGGTATGACTATATTGAAGTAAGAGACGGTACTGGAGAAAAACACCTCCTCT
GTAGATTCTGTGGGACAAATTGCCTGAAGTTCTACTTCTACAGACAGCAGAATGTGGATTGATTTTC
GTAGCAGCAGTAATTGGGTAGGAAAAGGCTTTCAGCTGTCTATGAAGCGATCTGTGGAGGTGAGATACG
TAAAAATGAAGGACAGATTCACTCTCCCAATTATCCTGATGACTATCGCCCGATGAAGAATGTGTGTGG
AAAATAACAGTGTCTGAGAGCTACCACGTGGGCTGACCTTTCAGTCCTTTGAGATTGAAAGACATGACA
ATTGTGCTTATGACTACCTGGAAGTTAGAGATGGAACAGTGAATAAGCCCTTTGATAGGGCGTTTCTG
TGGTTATGACAAACCTGAAGACATAAGATCTACCTCAACTTTGTGGATGAAGTTTGTCTGACGGA
ACTGTGAACAAAGCAGGGTTTGTGCTAACTTTTTTAAAGAGGAAGATGAGTGTCCAAACCTGACCGTG
GAGGCTGTGAGCAGCGATGTCTGAACACTCTGGGCAGTTACCAGTGTGCCTGTGAGCCTGGCTATGAGCT
GGGCCAGACAGAAGGAGCTGTGAAGCTGCTTGTGGTGGACTTCTACCAAACTTAAACGGCACCATAAAC
ACCCCTGGCTGGCCCAAGGAGTACCCTCCTAATAAGAAGTGTGTGTGGCAAGTGGTTGCACCAACCCAGT
ACAGAATTTCTGTGAAGTTTGAATTTTTGAATTGGAAGGCAATGAAGTTTGAAATATGATTATGTGGA
GATCTGGAGTGGTCTTTCCTCTGAGTCTAAACTGCATGGCAAATCTGTGGCGCTGAAGTGCCTGAAGTG
ATCACATCCCAGTTCAACAATATGAGAATTGAATCAAATCTGACAATACTGTATCCAAGAAGGGCTTCA
AAGCACATTTTTTCTCAGACAAAGATGAATGCTCTAAGGATAATGGTGGATGTCAGCACGAATGTGTCAA
CACGATGGGGAGCTACATGTGTCAATGCCGTAATGGATTTGTGCTACATGACAATAAACATGATTGCAAG
GAAGCTGAGTGTGAACAGAAGATCCACAGTCCAAGTGGCCTCATCACCAGTCCCAACTGGCCAGACAAGT
ACCCAAGCAGGAAAGAATGCACCTTGGGAAATCAGCGCCACTCTGGCCACCGAATCAAATTAGCCTTTAG
TGAATTTGAGATTGAGCAGCATCAAGAATGTGCTTATGACCATTAGAAGTATTTGATGGAGAAACAGAA
AAGTCACCGATTCTTGGACGACTGTGTGCAACAAGATACCAGATCCCCTTGTGGCTACTGGAAATAAAA
TGTTTGTTCGTTTGTCTGATGCATCTGTTCAAAGAAAAGGCTTTCAGCTACACATTCTACAGAGTG
TGGCGGACGATTGAAAGCAGAATCAAAACCAAGAGATCTGTACTCACATGCTCAGTTTGGTGATAACAAC
TACCCAGGACAGGTTGACTGTGAATGGCTATTAGTATCAGAACGGGGCTCTCGACTTGAATTATCCTTCC
AGACATTTGAAGTGGAGGAAGAAGCAGACTGTGGCTATGACTATGTGGAGCTCTTTGATGGTCTTGATTC
AACAGCTGTGGGGCTTGGTCGATTCTGTGGATCCGGGCCACCAGAAGAGATTTATCAATTGGAGATTCA
GTTTAAATTCATTTCCACTGATGACACAATCAACAAGAAGGGATTTTCATATAAGATACAAAAGCATAA
GATATCCAGATACCACACATACCAAAAAATAA
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012464 unedited
 NGACGTCAGATTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGCCAACCTTC
 TCCCTGCGACTGGGGGTAAACAGGCAGTGCTTGCCTCTCTACTGTCCCGGCGGCATCCAC
 ATGTTTCCGGACACCTGAGCACCCCGTCCCGCCGAGGAGCCTCCGGTGGGGAGAAGAG
 CACCGGTGCCCTAGCCCCGCACATCAGCGCGGACCGCGCTGCCTAACCTCTGGGTCCC
 GTCCCCCTCTTTCTCCGGGGAGGAGGATGGGGTTGGGAACGCTTTCCCGAGGATGC
 TCGTGTGGCTGGTGGCCCTCGGGATTGTTTTCTACGGGGAGCTATGGGTCTGCGCTGGCC
 TCGATTATGATTACACTTTTGATGGGAACGAAGAGGATAAAACAGAGACTATAGATTACA
 AGGACCCGTGTAAGCCGCTGTATTTGGGGCGATATTGCCTTAGATGATGAAGACTTAA
 ATATCTTCAAATAGATAGGACAATTGACCTTACGCAGAACCCTTTGAAAACCTTGAC
 ATACCACAGGTGGACTTGGAGACCATGCTATGTCAAAGAAGCGAGGGGCCCTTACCAAC
 TTATAGACAGGATAAGAAGAATTGGCTTTGGCTTGGAGCAAAACAACACAGTTAAGGGAA
 AAGTACCTCTACAATTCTAGGGCAAAATGAGAAAAATCGAGTCCAGAGCCGCTACAT
 CAAGAACGGAAAAGATATGGCCTGGAGGCGTTATTCCTTATGTTATAGGAGGAACTTCA
 CTGGCAGCCAGAGAGCCATGTTCAAGCAGGCCATGAGGCACTGGGAAAAGCACACATGTG
 TGACTTTCATAGAAAAGTATGATGAAGAGATTACATTGTATTACG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012464 unedited
 TCCGGCCAGGAGAGGCACTGGGGAGGGGTCACAGGGATGCCACCCGGGATCTGTTCCAGG
 AAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTACATCTGT
 GTGTATACTTTAATTGTGTAAACTGAAAGAATACACCAATTGTATTCAATGTTGTATG
 CTCATGGACAGGTAACAGACACAAGCTACTTCATACAGTAATCTATATTGACATCAAAA
 TAGAGTTTCTCTAAAGGAAAGAGCCTTTTTTAATGGGATTGATCAAAATTAGAAGTTCC
 CATTATTTGTCCATGAAACCTAAGGAAGGTGCTATTTCAAATGGAATTCTAGTAGAACTT
 GGCACATACATTTAACTTTTCAACCACCATTATTTTTTACCTCTTGTAGTTTCACTCA
 CTCAGACAATCACACATCTACATTCAATTTTAAAAACACACATGCCTTTAAAGCAGA
 AAATTCATCCTCAAATTACATTTTCTACAAAAAAGCAGGACACCATATTTATATCCAAT
 GCTTCAGTCATGGAATGGATTTTCTTCATAGAGCTGTTAATTAACATACACTATTATGT
 TCAACATTTCAAAGGTGTGTTTTAGGAGGATCTGTTGATCATGTGCAGGAATTCTAAG
 GCATTATAAGTAGTTGTTCCACAGGACAAGTGCTGCCCTTGCAATGATATACTCTTGATA
 TATTTGACAAGTCTTTAGTCTTCANATGCTACCAGCCATA

Restriction Sites:

Please inquire

ACCN:

NM_012464

Insert Size:

5300 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).

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:

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_012464.3](#), [NP_036596.3](#)

RefSeq Size: 6654 bp

RefSeq ORF: 3042 bp

Locus ID: 7092

UniProt ID: [O43897](#)

Cytogenetics: 4q32.3

Protein Families: Druggable Genome, Protease, Secreted Protein

Gene Summary: This gene encodes an astacin-like, zinc-dependent, metalloprotease that belongs to the peptidase M12A family. This protease processes procollagen C-propeptides, such as chordin, pro-biglycan and pro-lysyl oxidase. Studies in mice suggest that this gene plays multiple roles in the development of mammalian heart, and is essential for the formation of the interventricular septum. Allelic variants of this gene are associated with atrial septal defect type 6. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]
Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.