

Product datasheet for SC115428

TTLL1 (NM_012263) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTLL1 (NM_012263) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTLL1
Synonyms:	C22orf7; HS323M22B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115428 sequence for NM_012263 edited (data generated by NextGen Sequencing)

ATGGCAGGGAAAGTAAAATGGGTCACTGATATCGAGAAGTCAGTGCTGATCAATAACTTT
 GAAAAGAGAGGATGGGTCCAAGTGACAGAAAACGAGGACTGGAATTTTTACTGGATGAGT
 GTGCAAAACCATCCGAAATGTGTTTCAGCGTTGAAGCTGGATATCGGCTCTCAGATGACCAA
 ATAGTCAACCATTTTTCCAAACCACTATGAAGTACCCGGAAGGACCTGATGGTGAAGAAC
 ATCAAAAGATACAGGAAGGAGCTGGAGAAAGAAGGGAGTCCTCTGGCAGAAAAAGATGAA
 AATGGAAAATACCTCTATCTGGACTTTGTTCCAGTCACCTATATGCTGCCCGCTGACTAC
 AACCTGTTTGTAGAGGAGTTCGGAAGAGCCCGTCCAGCACCTGGATCATGAAGCCTTGT
 GGCAAGGCCAGGAAAGGCATCTTCCTTATCAACAAGCTCTCACAGATCAAAAAGTGG
 TCCCGGGACAGCAAGACATCTTCGTTTGTGTCTCAATCTAATAAGGAAGCCTACGTGATC
 TCTCTCTATATTAACAACCCGTTACTAATTGGCGGGAGGAAGTTGACCTGCGCTTGTAC
 GTTCTGGTGTCCACGTACCGTCCACTGCGCTGTTACATGTACAAGCTTGGGTTTTGCCGG
 TTCTGCACAGTGAAATACACCCCGAGTACCAGTGAGCTGGACAACATGTTTCGTTTCATCTC
 ACCAACGTCGCCATCCAGAAACACGGGGAGGACTACAACCACATCCATGGGGGCAAGTGG
 ACAGTGAGTAACCTGCGGCTCTACCTGGAGAGCACCCGCGGAAGGAGGTGACCAAGCAAG
 CTGTTTCGACGAGATCCACTGGATCATCGTGCAGTCCCTGAAGGCTGTGGCGCCAGTGATG
 AACAATGACAAGCACTGCTTTGAATGCTATGGCTACGACATCATCATCGACGACAAGCTG
 AAGCCCTGGCTGATCGAGGTGAATGCGTCCCGTCTCTCACGTCCAGCACTGCCAATGAC
 CGAATCCTCAAGTACAACCTGATTAATGACACCTCAACATCGCCGTCCCGAATGGTGAA
 ATCCCAGACTGCAATGGAACAAGTCGCCACCTAAGGAAGTCTCGGCAATTACGAGATT
 CTGTATGATGAAGAATTGGCCAGGGTGACGGGGCTGACCGGGAGCTGAGAAGCCGTGAG
 GGTGAGTCTCTGGGGCCAGAGCAGGCCGATCGAGAGACTCGGGGAGAGCGGTCTCACC
 ACCTGGAAGTGA

Clone variation with respect to NM_012263.4
 894 g=>a


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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_012263 unedited
 CGAATTTTGTAAATACGACTTCACTATAGGGCGGCCGGAATTCGCACGAGGCCGGCGTCA
 GTGACGTGACGAGACCGAGGTGAGCGTGGGCGTTGCCAGTGGTCTCTGTCAAGTGCCTA
 TGGATTATGGCAGGGAAGTAAATGGGTCACTGATATCGAGAAGTCAGTGTGATCAAT
 AACTTTGAAAAGAGAGGATGGGTCCAAGTGACAGAAAACGAGGACTGGAATTTTACTGG
 ATGAGTGTGCAAACCATCCGAAATGTGTTCAAGCTTGAAGCTGGATATCGGCTCTTCAGA
 TGACCAAAATAGTCAACCATTTTCCAACCACTATGAAGTACCCGGAAGGACCTGATGGT
 GAAGAACATCAAAAGATACAGGAAGGAGCTGGAGAAAAGAAAGGAGTCCTCTGGCAGAAAA
 AGATGAAAATGGAATAACCTCTATCTGGGTTTGTGCGTCTTCCACCGGCTCATGTTTTT
 AACTTTGTCCAGTCACCTATATGCTGCCCGCTGACTCAACCTGTTTGANAGGAGTTCC
 GGAAGAAGCCGTCCACACCTGGATCATGAAGCCTTGTGGCANGGCCAGGGAAGGGCATC
 TTNCTATCAACAGCTCTCACAGATANAAGTGGTCCCGGACAGCAGACTCNTNCGGTTG
 GGGCTCATCTAATAGGGAGCCTACGTGATCTCTTATATTAACACCCGACTATTGCGN
 NAGGGGAGTCCGACTGCGTTGGACGNTGGGGGGCCCCGTACCGTCATTGGCTGGTACTG
 TCAAACCTGGGGTTTCGCGGGCTCTGCCAGGGAACCCCCGGATCCAGGGGCTGGC
 AATTTGTTTGTATTCTACCACGGTGCCTTCAAACCCGGGGGGGCATACACCCCTCC
 TGGGGGAAGGGCCCCGAATAACCCGGCTTACCGGAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_012263 unedited
 CCGGCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTCCAAAAAGTGCCTTCATT
 TATTTACAGGGCTTAGGAAAGGAAAAAGCTCTACAAAAGGGAATTTCAAATAGGGCT
 TCAGCAGGGGCCAGGTGGAGTGAAGTATTTGATAAGGTCCAGGTGGGACTCACTTCCA
 GGTGGTGAAGACCGCTCTCCCCGAGTCTCTCGATCGGCCTGCTCTGGGCCCCAGAGACTG
 ACCCTGACGGCTTCTCAGCTCCCGGTACGCCCCGTACCCCTGGGCAATTCTTCATCATA
 CAGAATCTCGTAATTGCCGAGGACTTCCTTAGGTGGCGACTTGTTCATTGTCAGTCTGG
 GATTTACCATTCGGGACGGCGATGTTGAGGGTGTATTAATCAGGTTGTAAGTGGAT
 TCGGTCATTGGCAGTGTGGACGTGAGAGACGGGGACGCATTACCTCGATCAGCCAGGG
 CTTGAGCTTGTGTCGATGATGATGTCGATAGCCATAGCATTCAAAGCAGTGTCTGTCATT
 GTTCATCACTGGCGCCACAGCCTTCAGGGACTGCACGATGATCCAGTGGATCTCGTCGAA
 CAGCTTGTGGTCACTCCTTCCCGCGGGTGTCTCCAGGTAGAGCCGAGGTTACTCAC
 TGTCCACTTGGCCCCATGGATGTGGTTGTAGTCTCCCGTGTCTTGGATGGGCGACGT
 TGTGAGATGAAGAACATNGTGTCCAGCTCACTGGTACTCGGGGGTGTATTTCAGTGTGCA
 NAACCGGCAAAACCAAGCTTGTACATGTACAGCGCAGTGGACGGTACGTGGACACAAAAC
 GTACAAGCGCAGGTGAACTTTCTCCCGCCATTAGTAACGGGGTGGTAATATAGAAAAG
 AATACCGTAGCTTCCTTTATAANATGAGACCAACGAAAAGTTTTGTGTCCCGGACCT
 TT

Restriction Sites:

NotI-NotI

ACCN:

NM_012263

Insert Size:

1550 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_012263.3, NP_036395.1

RefSeq Size: 1647 bp

RefSeq ORF: 1272 bp

Locus ID: 25809

UniProt ID: O95922

Cytogenetics: 22q13.2

Domains: TTL

Gene Summary: Catalytic subunit of the neuronal tubulin polyglutamylase complex. Modifies alpha- and beta-tubulin, generating side chains of glutamate on the gamma-carboxyl groups of specific glutamate residues within the C-terminal tail of alpha- and beta-tubulin (By similarity). [UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (1) represents the shorter transcript but encodes the functional protein.