

Product datasheet for **SC317911**

TTLL11 (NM_194252) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TTLL11 (NM_194252) Human Untagged Clone
Tag:	Tag Free
Symbol:	TTLL11
Synonyms:	bA244O19.1; C9orf20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC317911 representing NM_194252.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCGCGCTGCCTCTGTGACAGGCAGGGTCACGTGGGCAGCCTCGCCTATGAGGTGCGTGGGGCTC
GGCCGGCGATTGTCCTTCCCGGACCCCGTCTCGATGCGGTGACTGCCGCTGTCAACCCGAGCCTGAGC
GATCATGGCAACGGGCTCGGGCGGGGAACGCGTGGCAGCGGCTGCAGCGCGGCAGTTTGGTGGCGGAC
TGGGGCGCGGAGCGGGCGGGCGGGCGGGTGGCACTGGCACTGGCCCCGGCCCTGAGCACCATGCGG
CGGGGAGCTCCGAGAGCGAGCTGGCGGCCCGGTGGGAGGCGGAGGCGGTGGCTGCGGCCAAAGCGGCG
GCCAAAGCTGAGGCCGAGGCCACAGCGGAGACGGTGGCGGAACAGGTCCGCGTGGACGCGGGCGCGGCC
GGGGAACCGAGTGCAAGGCAGGGGAGGAGCAGCCCAAGGTCTGGCCCCGGCCCCGCGCAGCCAGT
GCGGCTGAGGAGGGGAACACCCAGGTCTTCAGCGGCCGCGCCACGCTGCCCGCTCCAAGCCGAAG
CCGGTGCAGGGCCTCTGCCCGACGGGAAGCCCCGGGACAAGGGCCGAAGCTGCAAGCGGAGCTCGGGC
CACGGTTCGGGCGAGAACGGCTCCAGCGGCCGGTCAACGTGGACAGCTCCAAGGCCAGGACCTCCCTG
GATGCCCTGAAGATCAGCATCCGCCAGCTCAAGTGAAGGAGTCCCATTTGGCCGGCGCTTGCCTTGT
GACATCTACTGGCATGGAGTTTCATTTACGACAATGACATATTCTCCGTCAAGTGAACAAGTTTCCA
GGCATGACGGAGATGGTGCCTAAAATTACTCTGAGCAGAGCAGTGAGAACCATGCAGAATCTCTTCTCT
GAGGAGTACAACCTTACCTCGCTCATGGATTCTGCCTGACGAGTTCAGCTCTTTGTTGCTCAGGTT
CAAATGGTGAAAGACGATGACCCCTCCTGGAAGCCCACTTTATCGTGAAACCTGATGGTGGTTGTGAG
GGTGATGGAATCTACCTCATTAAAGACCCAGTGACATCCGCTGGCAGGGACCTCCAGAGCAGGCCA
GCGGTGGTCCAGGAGTACATCTGCAACCTCTCCTTATCGACAAGCTCAAGTTTGATATTCGTCTGTAT
GTCTTACTCAAGTCCTTAGACCCCTTAGAGATTTATATAGCCAAAGACGAGTCTCTAGGTTTGTACC
GAGCCATATCAGGAGCCCAACCCCAAAAACCTGCACCGCATCTTTATGCACTTAACCAACTATTCACTG
AACATCCACAGCGGCAACTTCATCCACTCGGACAGTGCTAGCACTGGCAGCAAAAGGACTTTTTCCAGC
ATCCTTTGTAGACTGTCTTCAAAGGCGTTGACATCAAGAAGGTCTGGTCTGACATCATCTCCGTGGTG
ATTAAGACGGTCATCGCGCTGACTCCAGAGCTCAAAGTCTTCTACCAGTCAGACATCCCCACGGGGAGG
CCGGGCCCCACGTGCTTCCAGGTAACCATTTGCCAGTTCACGCTGCGTTTCCAGCCTTGACCGGCTC
AAGAGGGCTCTCTGGCTTCGTGTAGGATGA
AGCGGACCGACGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
  
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Restriction Sites: SgfI-RsrII

ACCN: NM_194252

Insert Size: 1617 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:

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_194252.2](#)

RefSeq Size: 2023 bp

RefSeq ORF: 1617 bp

Locus ID: 158135

UniProt ID: [Q8NHH1](#)

Cytogenetics: 9q33.2

MW: 58 kDa

Gene Summary: Polyglutamase which preferentially modifies alpha-tubulin. Involved in the side-chain elongation step of the polyglutamylation reaction rather than in the initiation step (By similarity). Required for CCSAP localization to both spindle and cilia microtubules (PubMed:22493317). Generates long side-chains (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR and CDS compared to variant 1. The resulting isoform (b) has a shorter and distinct C-terminus compared to isoform a.