

Product datasheet for **SC301318**

TCHHL1 (NM_001008536) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCHHL1 (NM_001008536) Human Untagged Clone
Tag:	Tag Free
Symbol:	TCHHL1
Synonyms:	S100A17; THHL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



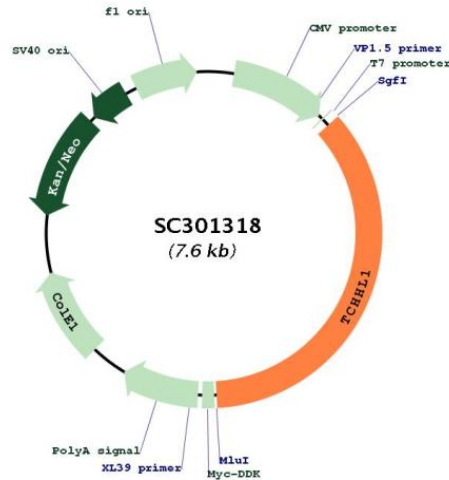
[View online »](#)

Fully Sequenced ORF: >SC301318 representing NM_001008536.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCCTCAGTCCTGAGAAATGTCCTCTGTGTAATTGAGACATCCACAAATATGCCAGTGAGGACAGT
AACGGGGCAACACTGACTGGCAGAGAGCTGAAACAACCTATCCAGGGCGAGTTTGGGACTTTTTTCAG
CCCTGTGCTTCATGCTGTGAAAAAATTCAAATCTTCTGAATATTGACAGTAATGGCATCATCAGT
TTTGATGAATTTGTTCTTGAATCTTCAACTTGTGAACCTCTGTATCTTGACATAAAATCATTACTA
AGTTCTGAACTAAGACAGGTGACTAAACCAGAGAAGGAGAAGCTAGATGATGTGGATGTTCAGGCAACC
ACCGGAGATGGTCAGTGGACAGTGGAACTTCACCAACTCAAGAAAAGAGGATGCTTCCTTCAGGAATG
GCATCATCATCTCAGCTCATCCCTGAAGAAAGTGGAGCAGTTGGAATAACAGAGTGGACCCATGGAGA
GAAGCCAAGACTCACAACCTTCCAGGAGAAGCATCTGAACACAATGATCCTAAGAACAACACCTGGAA
GGAGATGAACAAAGTCAGGAAGTGGCTCAAGATATACAAACAACAGAAGACAATGAAGGCCAACTTAAG
ACAAATAAGCCAATGGCAGGATCAAAAAAGACCAGCAGTCCACAGAGAGGAAGGACAAGATAAGGAG
ATCTCCAGGAAGGAGATGAACAGCCAGAGAGCAAAAGTGTTCCTAAGATAAGAGACCAGTTTGGAGAA
CAGGAAGGAAACTTGGCAACCCAAAGTTACCACCAAAAAGCAACACAAAAGACCATGTGAAGATCAG
GAAGTTAGAACAGAAAAGGAAAAACTCTAATATACAAGAACCACCCCTACAAAAGAGAAGATGAGCCC
AGTTCACAGCATGCTGACCTGCCAGAACAAGCTGCTGCCAGGTACCATCTCAGACACAGAAATCAACT
GATTCCAAAGATGCTGTAGAATGTTTGACACTCAAGAACCAGGAAAGGATGCTGACCAGACACCAGCT
AAAACAAGAATTTGGGTGAACCTGAGGATTATGGCAGAACATCTGAGACCAAGAAAAAGAATGTGAA
ACAAAGGACCTGCCAGTCCAATATGGTAGCAGAAATGGTTCAGAAACATCTGACATGAGAGATGAAAGG
AAAGAGAGGAGAGTCTGAGGCCATGGAAACAGCAGGGCAGAAAAGCAAGTGCAGAAAAACTCGGCCA
CTAGTCTGGAACCCAAACACAGGATGGGAAGTATCAGGAACTCCAAGGATTATCAAAATCAAAAGAT
GCTGAAAAAGTTCTGAGACACAATATCTAAGCTCAGAAGGAGGAGATCAGACTCACCTGAACTTGAA
GGAACAGCAGTCTCAGGAGAAGAGGCAGAACACACCAAGAAGGCACAGCAGAAGCATTTGTGAACAGC
AAAAACGCACCTGCAGCAGAAAGGACACTGGGGCAAGAGAAAAGAACACAAGATTTAGCACCCTTGAG
AAGCAGTCTGTAGGAGAAAATACTAGGGTCACCAAGACTCATGACCAACCAGTTGAGGAGGAGGATGGT
TACCAGGGGGAGGACCCTGAGTCACCATTACACAGAGTGTGAGGGGTCTTCTGAAACTCCCAACAGC
CTGGCTTCAGAGGAAGGCAATAGCAGCTCAGAGACAGGTGAACCTGCTGCAAGGGGACTCCCAGAGT
CAAGGGGACCAACATGGAGAGTCTGTGCAAGGAGGTACAATAATAACCCAGATACCCAGAGGCAGGGA
ACACCTGGTGAGAAAAACAGAGCTCTGGAGGCAGTGGTACCAGCAGTCAAGGAGAGGATGTACAGCTC
ACAGAGGACCAGGAACAGCCTGCCAGAGGAGAACAAGAATCAAGGCCAGGGACCAAAAGGCCAGGT
GCAGCTGTGGAGCCCAATGGACACCCAGAAGCACAGGAATCCACAGCAGGAGATGAAAAATAGAAAGTCC
CTGGAATAGAGATCACAGGTGCCCTGGATGAAGACTTCACTGACCAGCTTTCCCTAATGCAGCTCCCT
GGAAAGGGAGATAGCAGAAATGAATTAAGGTCCAAGGCCAAGTAGCAAAGAAGAGAAAGGAAGAGCA
ACAGAGGCCCAGAATACTCTGTTAGAAAGTCTAGATGAGGACAATTCAGCCTCCCTCAAGATACAACCTT
GAAACAAGGAACCTGTAAATCAGAGGAGGAAGATGAAAGTCCCAAGAGCTGGCAGGAGAAGGTGGT
GACCAAAAAAGTCCAGCCAAGAAAAGAGCACAATTCTTCAGTCCCCTGGTCAAGTCTTGAAGCAGATG
CAGAGAGACCAAGAGCCCTGTTCTGTGGAGAGGGGTGCAGTCTATTCCAGTCCACTATACAGTACCTA
CAGGAGAAGATACTGCAGCAAACAATGTAACCAAGAGGAGCATCAAAAGCAAGTTCAGATAGCCAG
GCATCAGGCCAGAGCTTTGAGTGTATCCCTCACCAGTGAATCTCAGATTGTTCTGTCTTTTTCAAC
TACAGCCAAGCATACAACCATATACCAGGGGACTTCCACTTGATGAGAGTCTGCTGGTGCACAGGAA
ACACCAGTCCCCAGGCCTTGAAGATAAGCAAGGTACCCTCAGAGAGAGAGGCTGGTACTACAAAGG
GAGGCAAGCACCACAAGCAATGA
ACGGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
  
```

Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001008536

Insert Size: 2715 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_001008536.1](#)

RefSeq Size: 3603 bp

RefSeq ORF: 2715 bp

Locus ID: 126637

UniProt ID: [Q5QJ38](#)

Cytogenetics: 1q21.3

MW: 99.3 kDa

Gene Summary: This gene belongs to the S100 fused-type protein (SFTP) gene family, and is located in a cluster of SFTP genes on chromosome 1q21. Several members of this family have been implicated in the development of complex skin disorders. This gene is evolutionarily conserved; its expression appears to be hair-specific and spatially restricted within the distal inner root sheath of the hair follicle. It thus may have an important role in hair morphogenesis. [provided by RefSeq, Aug 2013]