

## Product datasheet for **SC118150**

### Suppressor of Ty 4 homolog 1 (SUPT4H1) (NM\_003168) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Suppressor of Ty 4 homolog 1 (SUPT4H1) (NM_003168) Human Untagged Clone
Tag:	Tag Free
Symbol:	Suppressor of Ty 4 homolog 1
Synonyms:	SPT4; SPT4H; Supt4a; SUPT4H
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003168, the custom clone sequence may differ by one or more nucleotides

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ATGGCCCTGGAGACGGTGCCGAAGGACCTGCGGCATCTGCGGGCCTGTTTGCTGTGTTTCGCTGGTCAAGA  
CTATAGACCAGTTTGAATATGATGGTTGTGACAATTGTGATGCATATCTACAAATGAAGGGTAACCGAGA  
GATGGTATATGACTGCACTAGCTCTTCTTTGATGGAATCATTGCGATGATGAGTCCAGAGGACAGCTGG  
GTCTCCAAGTGGCAGCGAGTCAGTAACTTTAAGCCAGGTGATATGCGGTGTCAGTCACTGGTGCCTGC  
CCCAAGGAATCGTGCGGGAGCTGAAAAGTCGAGGAGTGGCCTACAAATCCAGAGACACAGCTATAAAGAC  
CTAG
```



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_003168 unedited</p> <pre>CCGTCCNGATTTGTATACGATTCCTATAGGGCGGCCGCGATTCCGGCACGAGGGTCGTCTA TCTCCCTGTTGTTCTTCCCTCGGCGAAGAGGCCCTGGAGACGGTGCCGAAGGACCTGCGG CATCTGCGGGCCTGTTTGTCTGTGTTCCCTGGTCAAGACTATAGACCAGTTTGAATATGAT GGTTGTGACAATTGTGATGCATATCTACAAATGAAGGGTAACCGAGAGATGGTATATGAC TGCACTAGCTCTTCCCTTGTGGAATCATTGCGATGATGAGTCCAGAGGACAGCTGGGTC TCCAAGTGGCAGCGAGTCAGTAACTTTAAGCCAGGTGTATATGCGGTGTCACTGCTACTGGT CGCTGCCCAAGGAATCGTGGGGAGCTGAAAAGTCGAGGAGTGGCCTACAAATCCAGA GACACAGCTATAAAGACCTAGCAAGATGCAAGGCTGCCAGCATCTTTGCTCTCCACCTCC TGCTCTGCTTATTTCTTGTCTGGAATAAATGAACAGAACTTCAAATACTTCTACCC TCCAATTCAGACTCAGCTGACTGTTGAGAGAGCAGCACATCATTTTATCATTTTATCTTC TTTGGACTACAGGTGGGGTGGGAGGGATTGGGTTGGTGGATTAACAGATGGAATTGAGG AGAGAGTAGGATGCTGATTTTCTACCCGTGGCCAGGTCTGTGCCTTCCCATGCCAAG GACTCTAGGTCAAATGTCAATAAATATGAACCTCGAGAAAGTTCTGAAGGCCATGAAAA AAAAAAAAAAAAAAAAAAGTCTGACTCTAGAATTGCGGCCGCGTCATAGCTGTTTCTGTAAC AGATCCCGGTGGCATCCCTGTGACCCCTNCCCAGTGCCTCTCTGCCCTGGAAGTTGCC ACCCAG</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_003168 unedited</p> <pre>GCTATGGCCGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTACAGGCC TTCAAACCTTTCGAGGTTTCAATTTTATTGACATTTGACCTAAAGTCTTGGCATGGGG AAGGCACAGACCTGGGCCACGGTAGGAAAATCAGCATCTACTCTCCTCAATTCAT CTGTTAATCCACCAACCCAAATCCCTCCCACCCACCTGTAGTCCAAGAAGATAAAATG ATAAAATGATGTGCTGCTCTCAACAGTCAGCTGAGTCTGAATTGGAGGGTAGGAAGTA TTTGAAGTTCTGTTTCAATTTAGTTCCAGAACAAGAAATAAGCAGAGGCAGGAGGTGGAGAG CAAAGATGCTGGCAGCCTTGCACTTTGCTAGGTCTTTATAGTGTGTCTCTGGATTTGTA GGCCACTCCTCGACTTTTCAGCTCCCGCACGATTCCTTGGGGCAGGCGACCAGTGACTGA CACCGCATATACACCTGGCTTAAAGTTACTGACTCGTCCCACTTGGAGACCCAGCTGTC CTCTGGACTCATCATCGCAATGATTCCATCAAAGGAAGAGCTAGTGCAGTCATATACCAT CTCTCGGTTACCCTTCAATTTGTAGATATGCATCACAATTGTCACAACCATCATATTCAA CTGGTCTATAGTCTTGACCAGCGAACACAGNANACAGGCCCGCAGATGCCGCGAGTCTCT CGGCACCGTCTCCAGGGCCATCTTCGCCGATGGAAGAACCAGGGAGATAGACGACC CTCGTGCCGAATCCCTGCCGCCCTATAGTGAGTGGATTACAAAATCCTGACGGTACTT AACGAGCTCTGCTTAAATAGACTCCCCACGGACCAGCTACCGCCATTGGTGAACGGG GCGGGTTATTACCACCTTTGGAAGCCCGGTGGTTTTGTGCCAACAACTCCATGGCGCAAT GGGGGAAACTGGAATCCC</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_003168
<b>Insert Size:</b>	780 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_003168.1](#), [NP\\_003159.1](#)

**RefSeq Size:** 1499 bp

**RefSeq ORF:** 354 bp

**Locus ID:** 6827

**UniProt ID:** [P63272](#)

**Cytogenetics:** 17q22

**Protein Families:** Transcription Factors

**Gene Summary:** This gene encodes the small subunit of DRB (5,6-dichloro-1-beta-d-ribofuranosylbenzimidazole) sensitivity-inducing factor (DSIF) complex, which regulates mRNA processing and transcription elongation by RNA polymerase II. The encoded protein is localized to the nucleus and interacts with the large subunit (SUPT5H) to form the DSIF complex. Related pseudogenes have been identified on chromosomes 2 and 12. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Nov 2012]  
Transcript Variant: This variant (1) represents the shorter transcript and encodes the functional protein.