

## Product datasheet for **SC311498**

### TIP120B (CAND2) (NM\_012298) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TIP120B (CAND2) (NM\_012298) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CAND2  
**Synonyms:** TIP120B; Tp120b  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_012298, the custom clone sequence may differ by one or more nucleotides

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ATGAGCACCGCCGCTTCCACATCTCCAGCCTCCTGGAGAAGATGACGTCCAGCGACAAG
GACTTCAGGTTTCATGGCCACCAGCGACCTGATGTCGGAGTTGCAGAAGGACTCCATCCAG
CTGGACGAGGACAGCGAGCGCAAGGTGGTGAAGATGCTGCTCCGGCTCCTGGAGGACAAG
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GCCAGCCTCCTGCACTGTCTGCTGCCACAGCTGAGCAGCCCGCGCTGGCGGTGCGCAAG
CGGGCGGTGGAGCGCTTGGCCACCTGGCGGCCGCTGCAGCACCACCTCTTCGTGAG
CTCGCTGACCACCTACTGGACCGGCTGCCCGGCCGCGGGTGCCACCAGCCGACTGCC
ATCCGCACCTGATCCAATGTTTGGGCAGCGTCGGCCGCAAGCCGCGCCACCGCCTCGGG
GCTCACCTGGACCGCTGGTGCCCTGGTGGAGGATTTCTGCAACCTGGATGATGATGAG
CTCCGGGAGTCTGCCTCCAGGCTTTTGGAGCCTTCTTGGAGGAAGTGCCCAAGGAAATG
GGTCTCACGTGCCAACGTGACCAGCCTCTGCCTCCAATACATAAAAACAGACCCCAAC
TACAACTACGACAGTGATGAGGATGAGGAGCAGATGGAGACAGAGGATAGTGAATCAGT
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GCAGCTGCCAAGTGCATCGCAGCCTTGATCAGCTCGCGGCTGACCTGCTGCCCGATTC
CACTGCACCTGGCACCTGTGCTCATCCGCCGCTTCAAAGAACGCGAGGAGAACGTCAAG
GCTGACGCTTCACTGCTTACATCGTGCTGCTGCGGCAAACACAGCCCCGAAGGATGG
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CATATGCCTGTGCTGGTATCAGGCATCATCTTCTCGCTGGCCGACCGCTCCAGCTCTCC
ACCATCCGGATGGATGCCCTGGCCTTCTTGCAGGGGCTGCTGGGCACCGAACAGCTGAG
GCCTTCCACCCACACTTGCTATCCTCCTGCCACCTGTGATGGCCTGTGTGGCTGACTCT
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ACCCTGGCGCGACTTCGTGCCACTGACCTGGACAGGAGGTGAAGGAGCGGGCCATTTCC
TGCATGGGCCACCTTGTAGGCCACCTGGGTGACCGGCTTGGGGATGACCTGGAGCCACG
TTACTGCTCCTCCTGGACCGCTGCGGAATGAGATCACCCGGCTGCCCGCCATCAAGGCG
CTTACGCTGGTGGCCGTATCCCCACTACAGCTTACCTACAGCCATCCTGGCCGAGGCA
CTGCACATTCTGGCCTATTCTGCGGAAGAACCAGCGGGCTTTGCGACTGGCCACACTG

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GCAGCCCTGGACGCCCTGGCCCAGAGCCAGGGCCTCAGCCTCCCACCGTCTGCCGTGCAG  
 GCCGTGCTGGCTGAGCTGCCTGCCCTGGTCAACGAGAGCGACATGCATGTGGCCAGCTG  
 GCTGTGGACTTCCCTTGCCACAGTGACCCAGGCCAGCCAGCCTCTTTGGTGGAGGTCAGT  
 GGCCCTGTGCTCTCAGAGCTGCTGCGGCTGCTGCGTTCGCCCCTGTTGCCAGCCGGGTT  
 CTGGCAGCTGCTGAAGGCTTCTGCAGGCCCTGGTAGGGACCCGTCCTCCCGTGTGTGGAC  
 TATGCCAAACTCATCAGCCTGCTCACTGCGCCTGTTTATGAGCAGGCTGTGGATGGTGGG  
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 GTCAAGTTCCTTATCTCGGACCAGCCCCATCCCATTGACCCCTCCTGAAGAGCTTCATC  
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 TACCAGGAGACAAAGATCCGGCGGGACCTCATCCGAGAGGTGGAGATGGGGCCCTTTAA  
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 CTTGAGAGCTGCCTGGCCAGCTGGATATCTGTGAGTTCCTGAACCATGTGGAGGACGGG  
 CTGAAGGACCACTACGACATCCGGATGCTGACCTTCATCATGGTTGCCCGGCTGGCCACC  
 CTGTGCTGCACTGTCTGTCAGAGGGTGGACCGACTCATTGAGCCACTAAGGGCCACC  
 TGCAGTCCCAAGTCAAAGCTGGTTCTGTGAAGCAGGAGTTTAAAAGCAAGATGAACTG  
 AAGCGCTCTGCAATGAGGCGAGTGGCTGCCCTGCTGACCATCCCCGAGGTGGGAAAAGC  
 CCCATCATGGCCGACTTCTCTTCCCAAATCAGATCCAACCCTGAACTTGTGCCCTCTTT  
 GAAAGCATCCAGAAGGATTCCGCTTCAGCCCCAGCACAGACTCAATGGAGCTCAGCTAG

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_012298

**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\\_012298.1](#), [NP\\_036430.1](#)

RefSeq Size: 4229 bp

RefSeq ORF: 3360 bp

Locus ID: 23066

UniProt ID: [O75155](#)

Cytogenetics: 3p25.2

**Gene Summary:** Probable assembly factor of SCF (SKP1-CUL1-F-box protein) E3 ubiquitin ligase complexes that promotes the exchange of the substrate-recognition F-box subunit in SCF complexes, thereby playing a key role in the cellular repertoire of SCF complexes.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) is missing two in-frame coding exons, and uses an alternate in-frame acceptor splice site at one of the coding exons, compared to variant 1. This results in a shorter isoform (2) lacking two internal protein segments compared to isoform 1.