

Product datasheet for **SC128166**

TRPC4AP (NM_015638) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRPC4AP (NM_015638) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRPC4AP
Synonyms:	C20orf188; PPP1R158; TRRP4AP; TRUSS
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_015638, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCGGCGCCGGTAGCGGCTGGGTCTGGAGCCGGCCGAGGGAGACGGTCGGCAGCCACAGTGGCGG
CTTGGGGCGGATGGGCGGCCGGCCGCGGCTGGTAACATTCTGCTGCAGCTGCGGCAGGGCCAGCTGAC
CGGCCGGGGCTGGTCCGGGCGGTGCAGTTCAGTGAGACTTTTTGACGGAGAGGGACAAACAATCCAAG
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GTCAAAACATCCTCAAGGAAATTTCTCCTCTTCTCCATGGAGGCTATGGCATTGTTACTGAAGAGAG
GAAACTTACCCAAGAAACCATTATCCAAATACTTACATTTTTGACTTGTGGAGGTGTTGATCTTCTT
GTAGAAATTTCTATGAGGCTACGATCTCTATCCGGGACAGAACTGAAATAAGTGATGAAATGTCCA
AGGACTGCTTGAGTATCCTGTATAATACCTGTGTCTGTACAGAGGGAGTTACAAAGCGTTTGGCAGAAAA
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ATTGAAGATATTTGGGTGTTAAAAAGGAAATGATCCGACTAGATGAAGTCCCAATCTGAGTTCCTTAG
TATCCAATTTGATCAGCAGCAGCTCGTAATTTCTGCCGATTCTGGCTGTACCATTTCAGAGATGGA
TACAGGGAATGATGACAAGCACACGCTTCTTGCCAAAAATGCTCAACAGAAGAAGAGCTTGAGTTTGGGG
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GCTGCTGATGGGGCGTCAGCGAAACCAGGTTACAGAAATGATTGCAGAGTTCAAGCTGATCCCTGGACTT
AATAATTTGTTGACAACTGATTTGGAGGAAGCATTACGATCTGCCCTTGTCTCCATGGTCAACAACC
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GCCAACATCCCTGAGGTGGAAGCTGTCTCAACACCGACAGGAGTTGGTGTGTGATGGGAAGAGGGGCT
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ACCTCCTGGGGGAGCTGATGAAGTTCAACGTTGATGCATTCAAGAGATTCAATAAATATATCAACACCGA
TGCAAAGTTCAGGTATTCCTGAAGCAGATCAACAGCTCCCTGGTGGACTCCAACATGCTGGTGCCTGT
GTCACTCTGTCCCTGGACCGATTTGAAAACAGGTGGATATGAAAGTTGCCGAGGTACTGTCTGAATGCC
GCCTGCTCGCCTACATATCCCAGGTGCCACGCAGATGTCCTTCTCTCCGCCTCATCAACATCATCCA
CGTGACAGCGCTGACCCAGGAGAACGTGAGTGCCTCAACACCAGCCTGGTGATCCTGATGCTGGCCCGA
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CACCTGCCTAGAGAACAGCTCCTGCATCAGCTTCTCATACTGGAAGGAGACAGTGCCATCCTGTTGAAC
CCGGACCGGCAGTCACCTCTGCTCTCGTTAGCTACATTGAGGAGCCCTACATGGACATAGACAGGGACT
TCACTGAGGAGTGA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015638 unedited
 TTGTAATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGAGGAGACATGGCGGC
 GGGCGCGGTAGCGGCTGGGTCTGGAGCCGGCCGAGGGAGACGGTCGGCAGCCACAGTGGC
 GGCTTGGGGCGGATGGGGCGGCCGGCCGGCCTGGTAACATTCTGCTGCAGCTGCGGCA
 GGGCCAGCTGACCGGCCGGGGCCTGGTCCGGCGGTGCAGTTCACTGAGACTTTTTTGAC
 GGAGAGGGACAAACAATCCAAGTGGAGTGAATTCTCAGCTGCTCTCAAGCTGCACAC
 CACCAGCCACTCCACAGTGACTTTGTTGAGTGTCAAAACATCCTCAAGGAAATTTCTCC
 TCTTCTCTCCATGGAGGCTATGGCATTGTTACTGAAGAGAGGAACTTACCCAAGAAAC
 CACTTATCCAATACTTATATTTTTGACTTGTTGGAGGTGTTGATCTTCTTGAGAAAT
 TCTTATGAGGCCTACGATCTCTATCCGGNGACAGAACTGAAAATAAGTGATGAAATGTC
 CAAGGACTGCTTGAGTATCCTGTATAATACCTGTGTCTGTACAGAGGGAGTTACANAGCG
 TTTGGCAGAAAAGAAATGACTNTGTGATCTTCTGTTTACATTGATGANCAGTAAGAAGAC
 ATTCTTANCAACAGNCACCCTCATTGAAGATATTTTTGGGTGTTAAAAAGGAAATGATCC
 GACTAGATGAAGTCCCCAATCTGAGTNCCTTAGTATCCAATNTCGATCAGCAGCAGCTCG
 CTAATTCTGCCGATTCTGGCTGTCAACATTTAGAGATGGATACAGGGAATGATGACA
 AGCACACGCTTCTGCCCCAAATGCTCACAGAAGAGAGCTNNGAGTTGGGNCCTTCTGC
 AGCTGAATCAATCAAGCGGCCTNTA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015638 unedited
 NAAATCTAGNACCGCGCCGATTCTAGATCNATTTTTTTTTTTTTTTTTTTTCAATTTTAA
 ATAAAGTTATTTAATAGTCTCCATTTAATTGGTTTATTTGCTGTTAATAAATTGGCAACA
 CAAGGAAGGGCCCCATGTCCAGGCTCAGGCAGGAGCGGCTGCCTCAGGCAGAGGCAGGGC
 AGGCACAGCTGCCCCGTGCCTCAAGGGATGGAGGAAAGGCCCTCACTTCTGGGAGAAC
 CCCCTTGATGAACACAGCAGCCAATGAGCAAACAGAACAGAGGAGCTACAGGAAAATG
 AGGCAGAGGGGAGGCTTGGGGGAAGGCAGCATTCTCTGGTACCCACCACCCCTGCCAG
 GGCTCAGAAGCCTTTGCCTGGGTCCAAAGGCCAGGGACAAGGGAGGCTTGGCTCACAGAT
 GGGGGGTGGGGTCACCCATATCTTCTCCCACTCTGGGACTGACTGACAGCCAAGAAA
 CCGGCAGGAGCTCACACAGAGCTAATGCTAAATGTCCTTACCTCTGGGTGGCCCTGGG
 CCCCAGGGTTCTGAAGGAAAGGTGGGCATGGTACCCTGTCCTCATTATGGGGACTGAGGC
 TCTCCATGACCTAGGGCCCTCAGACCCAGGGGGACCAAGGGCTTCTAGGACTTCCCTCCA
 CCAAGCCTGTACCCAAGACCTGGGGCAGGCAGAGAGCAACAGGGAGGAACGGGGACAGG
 GCAGGGCGTGTGGCATCGTACCACGCTCACCAACTGGCCAGCAGCCTCCCGAGGCCTG
 GCCCAAGGTCAATCCTCAGTGAAGTCCCTGTCTATGTCCATGTAAGGCTCCCTCAGGGAA
 CTAACGAAGAGCAGAGGGTGACTGCCCGGCCGGTTCAACAGGAAGGAACCTGGCTCCTT
 C

Restriction Sites:

NotI-NotI

ACCN:

NM_015638

Insert Size:

3400 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:	<u>NM_015638.2, NP_056453.1</u>
RefSeq Size:	3189 bp
RefSeq ORF:	2394 bp
Locus ID:	26133
UniProt ID:	<u>Q8TEL6</u>
Cytogenetics:	20q11.22
Protein Families:	Druggable Genome
Gene Summary:	Substrate-specific adapter of a DCX (DDB1-CUL4-X-box) E3 ubiquitin-protein ligase complex required for cell cycle control. The DCX(TRUSS) complex specifically mediates the polyubiquitination and subsequent degradation of MYC. Also participates in the activation of NFKB1 in response to ligation of TNFRSF1A, possibly by linking TNFRSF1A to the IKK signalosome. Involved in JNK activation via its interaction with TRAF2. Also involved in elevation of endoplasmic reticulum Ca(2+) storage reduction in response to CHRM1. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).