

Product datasheet for RC208212

TIP120A (CAND1) (NM_018448) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIP120A (CAND1) (NM_018448) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TIP120A
Synonyms:	TIP120; TIP120A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208212 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGAGCGCCTCGTACCACATTTCCAATTTGCTGGAAAAATGACATCCAGCGACAAGGACTTTAGGT
TTATGGCTACAAATGATTTGATGACGGAAGTGCAGAAAGATTCCATCAAGTTGGATGATGATAGTAAAG
GAAAGTAGTAAAATGATTTGAAGTTATTGGAAGATAAAAATGGAGAGGTACAGAATTTAGCTGTCAA
TGCTTTGGTCCTTATAGTGAGTAAAGTAAAAGTAAACCAAGTAGAGACAATTGTAGATACCCTCTGACTA
ACATGCTTTCTGATAAAGAACAACCTTCGAGACATTTCAAGTATTGGTCTTAAAACAGTAATTGGAGA
TCCCTCCAGCTTCCAGTGGCTCTGCATTAGCTGCTAATGTATGAAAAAGATTACTGGACGCTTACAAGT
GCAATAGCAAAAACAGGAAGATGTCTCTGTTAGCTAGAAAGCCTTGGATATTATGGCTGATATGTTGAGCA
GGCAAGGAGGACTTCTTGTAAATTTCCATCCTTCAATTCTGACCTGTCTACTTCCCAGTTGACCAGCCC
TAGACTTGCAGTGAGGAAAAGAACCATTATCGCTCTTGGCCATCTGGTTATGAGCTGTGAAATATAGTT
TTTGTAGATCTTATTGAACATCTGTTGTCAGAGTTGTCCAAAAATGATTCATGTCAACAACAAGAACCT
ACATAAATGATTGCTGCTATTAGTAGCAAGCTGGTCATAGAATAGGTGAATACCTTGAGAAGATAAT
TCCTTTGGTGGTAAAATTTTGAATGTAGATGATGATGAATTAAGAGAGTACTGTATTCAAGCCTTTGAA
TCATTTGTAAGAAGATGTCCTAAGGAAGTATCCTCATGTTTCTACCATTATAAATATTTGTCTTAAAT
ATCTTACCTATGATCCAATTATAATTACGATGATGAAGATGAAGATGAAAATGCAATGGATGCTGATGG
TGGTGATGATGATGATCAAGGGAGTGATGATGAATACAGTGATGATGATGACATGAGTTGAAAAGTGAGA
CGTGCAGCTGCGAAGTGCTTGGATGCTGTAGTTAGCACAAAGCATGAAATGCTTCCAGAATTCTACAAGA
CCGTCTCTCCTGCACTAATCCAGATTTAAAGAGCGTGAAGAGAATGTAAGGCAGATGTTTTTACCGC
ATACCTTTCTCTTTGAAGCAAACCTCGTCTGTACAAAGTTGGCTATGTGACCCTGATGCAATGGAGCAG
GGAGAAAACACCTTAAACAATGCTTCAGAGTCAGGTTCCCAACATTGTTAAAGCTCTTCAACAACAGATGA
AAGAAAAAGTGAAGACCCGACAGTGTGTTTTAACATGTTAACTGAGCTGGTAAATGTATTACCTGG
GGCCCTAACTCAACACATTCCTGTACTTGTACCAGGAATCATTTTCTCACTGAATGATAAATCAAGCTCA



[View online »](#)

TCGAATTTGAAGATCGATGCTTTGTCATGTCTATACGTAATCCTCTGTAACCATTCTCCTCAAGTCTTCC
ATCCTCACGTTCCAGGCTTTGGTTCCCTCCAGTGGTGGCTTGTGTTGGAGACCCATTTTACAAAATTACATC
TGAAGCACTTCTTGTACTCAACAGCTTGTCAAAGTAATTCGTCCTTTAGATCAGCCTTCTCGTTTGTGAT
GCAACTCCTTATATCAAAGATCTATTTACCTGTACCATTAAGAGATTAAGAGCAGCTGACATTGATCAGG
AAGTCAAGGAAAGGGCTATTTCCCTGTATGGGACAAATTTTGAACCTTGGAGACAATTTGGGTTCTGA
CTTGCCTAATACACTTCAGATTTTCTGGAGAGACTAAAGAATGAAATTACCAGTTAACTACAGTAAAG
GCATTGACACTGATTGCTGGGTCACCTTTGAAGATAGATTTGAGGCCTGTTCTGGGAGAAGGGGTTCTTA
TCCTTGCTTCATTTCTTAGAAAAACCAGAGAGCTTTGAACTGGGTACTCTTTCTGCCCTTGATATTCT
AATAAAAAACTATAGTGACAGCTTGACAGCTGCCATGATTGATGCAGTTCTAGATGAGCTCCACCTCTT
ATCAGCGAAAAGTGATATGCATGTTTACAAAATGGCCATCAGTTTTCTTACCCTTTGGCAAAAGTATATC
CCTCCTCCCTTTCAAAGATAAGTGGATCCATTCTCAATGAACTTATTGGACTTGTGAGATCACCTTATT
GCAGGGGGGAGCTCTTAGTGCCATGCTAGACTTTTTCCAAGCTCTGGTTGCTACTGGAACAAATAATTTA
GGATACATGGATTTGTTGCGCATGCTGACTGGTCCAGTTACTCTCAGAGCACAGCTTACTCATAAGC
AGTCTTATTATCCATTGCCAAATGTGTAGCTGCCCTTACTCGAGCATGCCCTAAAGAGGGACCAGCTGT
AGTAGGTCAGTTTATTCAAGATGTCAAGAACTCAAGGTCTACAGATTCCATTCTGCTCTTAGCTCTACTT
TCTCTTGAGAAGTTGGGCATCATATTGACTTAAGTGGACAGTTGGAACAAAATCTGTAATACTAGAAG
CTTTCTCATCTCCTAGTGAAGAAGTCAAATCAGCTGCATCCTATGCATTAGGCAGCATTAGTGTGGGCAA
CCTTCTGAATATCTACCGTTTGTCTGCAAGAAATACTAGTCAACCCAAAAGGCGAGTATCTTTTACTT
CATTCTTGAAGGAAATTTAGCTCTGCATCAGTGGTGGGCCTTAAACCATATGTTGAAAAACATCTGGG
CCTTATTACTAAAGCACTGTGAGTGTGCAGAGGAAGGAACCAGAAATGTTGTTGTTGAATGTCTAGGAAA
ACTCACTCTAATTGATCCAGAACTCTCCTTCCACGGCTTAAGGGGACTTGATATCAGGCTCATCATAT
GCCCGAAGCTCAGTGGTTACGGCTGTGAAATTTACAATTTCTGACCATCCACAACCTATTGATCCACTGT
TAAAGAAGTGCATAGGTGATTTCTAAAACTTTGGAAGACCCAGATTTGAATGTGAGAAGAGTAGCCTT
GGTCACATTTAATTCAGCAGCACATAACAAGCCATCATTAAAGGGATCTATTGGATACTGTTCTTCCA
CATCTTTACAATGAAACAAAAGTTAGAAAGGAGCTTATAAGAGAGGTAGAAATGGGTCCATTTAAACATA
CGGTTGATGATGGTCTGGATATTAGAAAGGCAGCATTGAGTGTATGTACACACTTCTAGACAGTTGTCT
TGATAGACTTGATATCTTTGAATTTCTAAATCATGTTGAAGATGGTTTGAAGGACCATTATGATATTAAG
ATGCTGACATTTTAAATGTTGGTGGAGACTGTCTACCCTTTGTCCAAGTGCAGTACTGCAGAGTTGGACC
GACTTGTGAGCCATTACGTGCAACATGTACAATAAGGTAAAGGCAAACTCAGTAAAGCAGGAGTTTGA
AAAACAAGATGAATTAAGCGATCTGCCATGAGAGCAGTAGCAGCACTACTAACCATTCCAGAAGCAGAG
AAGAGTCCACTGATGAGTGAATTCAGTCACAGATCAGTTCTAACCTGAGCTGGCGGCTATCTTTGAAA
GTATCCAGAAAGATTCATCATCTACTAACTTGAATCAATGGACTAGT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC208212 protein sequence
 Red=Cloning site Green=Tags(s)

MASASYHISNLEKMTSSDKDFRFMATNDLMTELQKDSIKLDDDSERKVVKMILKLEDKNGEVQNLAVK
 CLGPLVSKVKEYQVETIVDTLCTNMLSDKEQLRDISSIGLKTIVIGELPPASSGSALAANVCKKITGRLTS
 AIAKQEDVSVQLEALDIMADMLSRQGGLLVNFHPSILTCLLPQLTSPRLAVRKRTIIALGHLVMSCGNIV
 FVDLIEHLLSELSKNDSMSTTRTYIQCIAAISRQAGHRIGEYLEKIIPLVVKFCNVDDDELREYCIQAFE
 SFVRRCPKEYVPHVSTIINICLKYLTYDPNINYDDEDEDENAMDADGGDDDDQGSDDDEYSDDDDMSWKVR
 RAAAKCLDAVVSTRHEMLPEFYKTVSPALISRFKEREENVKADVHFAYLSLLKQTRPVQSWLCDPDAMEQ
 GETPLTMLQSQVPIVKAHKQMKESVKTRQCCFNMLTELVNVLPGALTQHIPVLVPGIIFSLNDKSSS
 SNLKIDALSCLYVILCNHSPQVFHPHVQALVPPVVACVGDPFYKITSEALLVTQQLVKVIRPLDQPSFSD
 ATPYIKDLFTCTIKRLKAADIDQEVKERAI SCMGQIICNLGDNLGSDDLNTLQIFLERLKNEITRLTTVK
 ALTLIAGSPLKIDLRPVLGEGVPIASFLRKNQRALKGLTALSALDILIKNYSDSLTAAMIDAVLDELPLP
 ISESDMHVSQMAISFLTTLAKVYPSL SKISGSILNEL IGLVRSPLLQGGALSAMLDFFQALVVTGTNNL
 GYMDLLRMLTGPVYSQSTAL THKQSYYSIAKVAAL TRACPKEGPAVVGQFIQDVKNRSRSTDSIRLLALL
 SLGEVGHIDLSGQLELKSIVILEAFSSPSEEVKSAAASYALGSISVGNLPEYLPFVLQEIITSQPKRQYLLL
 HSLKEIISASVVGPKPYVENIWALLLKHCECAEEGTRNVVVECLGKLTIDPETLLPRLKGYLISGSSY
 ARSSVVTAVKFTISDHPQPIDPLLNKICIGDFLKTLEDPLNVRVALVTFNSAAHNKPSLIRDLLDVTLP
 HLYNETKVRKELIREVEMGPFKHTVDDGLDIRKA AFECMYTL DLSCLDRLDIFEFLNHVDEGLKDHYDIK
 MLTFLMLVRLSTLCPSAVLQRLDRLVEPLRATCTTKVKANSVKQEFQKQDELKRSAMRAVAALLTIPEAE
 KSPLMSEFQSQI SSNPELAAIFESI QKDSSTNLESMDTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6263_f05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

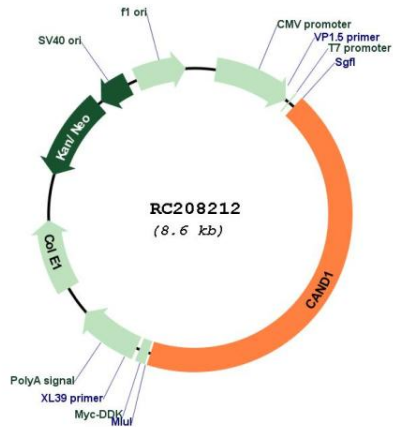


ACCN: NM_018448

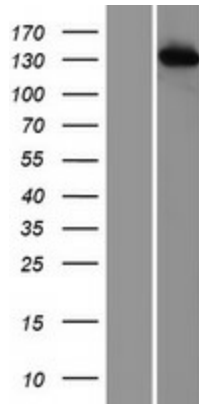
ORF Size: 3690 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_018448.5
RefSeq Size:	5956 bp
RefSeq ORF:	3693 bp
Locus ID:	55832
UniProt ID:	Q86VP6
Cytogenetics:	12q14.3-q15
Domains:	TIP120
Protein Families:	Transcription Factors
MW:	136.4 kDa
Gene Summary:	This gene encodes an essential regulator of Cullin-RING ubiquitin ligases, which are involved in ubiquitinylation of proteins degraded by the Ub proteasome system. The encoded protein binds to unneddylated cullin-RING box protein complexes and acts as an inhibitor of cullin neddylation and of Skp1, cullin, and F box ubiquitin ligase complex assembly and activity. In mammalian cell culture, this protein predominantly localizes to the cytoplasm. Knockdown of this gene in preadipocytes results in blocked adipogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2016]

Product images:



Circular map for RC208212



Western blot validation of overexpression lysate (Cat# [LY413030]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208212 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).