

Product datasheet for RR201857

Cand1 (NM_054004) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cand1 (NM_054004) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cand1
Synonyms:	Tip120; Tip120A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR201857 representing NM_054004 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGAGCGCTTCGTACCACATCTCCAATTGCTGGAAAAATGACATCCAGCGACAAGGACTTCAGGT
TTATGGCTACAAATGATCTGATGACAGAACTGCAGAAAGACTCCATCAAGCTGGATGATGACAGCGAAAG
GAAAGTCGTAAAGATGATTCTGAAGTTGCTGGAGGATAAAAAATGGCGAAGTGCAGAACTTAGCTGTGAAA
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ACATGCTTTCTGACAAGGAGCAGCTTCGAGATATTTCCAGTATTGGCCTTAAAACAGTAATTGGAGAACT
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GCAATAGCAAAGCAGGAAGATGTTTCTGTTTCAGCTAGAAGCTTTAGATATTATGGCTGATATGTTGAGCA
GGCAAGGAGGACTGCTTGTAAATTTCCATCCTTCAATTCTGACCTGTCTACTTCCCAGCTGACTAGCCC
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ACCCGCATGTTTCAGGCTTTGGTCCCTCCAGTGGTGGCTTGTGTTGGTGACCCATTTTACAAGATCACATC
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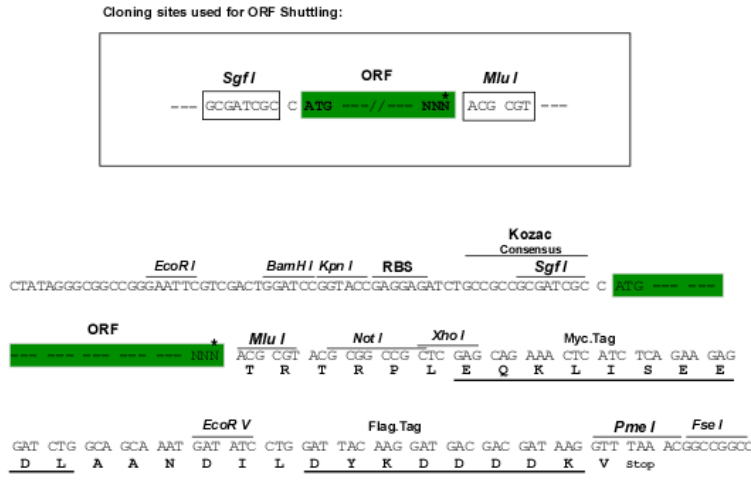
Protein Sequence: >RR201857 representing NM_054004
 Red=Cloning site Green=Tags(s)

MASASYHISNLEKMTSSDKDFRFMATNDLMTELQKDSIKLDDDSERKVVKMILKLEDKNGEVQNLAVK
 CLGPLVSKVKEYQVETIVDTLCTNMLSDKEQLRDISSIGLKTIVIGELPPASSGSALAAVCKKITGRLTS
 AIAKQEDVSVQLEALDIMADMLSRQGGLLVNFHPSILTCLLPQLTSPRLAVRKRTIIALGHLVMSCGNIV
 FVDLIEHLLSELKNDMSMSTRTYIQCIAAISRQAGHRIGEYLEKIIPLVVKFCNVDDDELREYCIQAFE
 SFVRRCPKEVYPHVSTIINICLKYLTYDPNINYDDEDEDENAMDADGGDDDDQGSDEYSDDDDMSWKVR
 RAAAKCLDAVVSTRHEMLPEFYKTVSPALISRFKEREENVKADVHFAYLSLLKQTRPVQSWLCDPDAMEQ
 GETPLTMLQSQVPIVKAHKQMKESVKTRQCCFNMLTELNVNLPGALTQHIPPVLPVGIIFSLNDKSSS
 SNLKIDALSCLYVILCNHSPQVFHPHVQALVPPVACVGDPFYKITSEALLVTQQLVKVIRPLDQPSFSD
 ATPYIKDLFTCTIKRKAADIDQEVKERAI SCMGQIICNLGDNLGPDLSNTLQIFLERLKNEITRLTTVK
 ALTLIAGSPLKIDLRPVLGEGVPIASFLRKNQRALKGLTALSALDILIKNYSDSLTAAMIDAVLDELPLP
 ISESDMHVSQMAISFLTTLAKVYPSL SKISGSILNELIGLVRSPLLQGGALSAMLDFFQALVVTGTNNL
 GYMDLLRMLTGPVYSQSTALTHKQSYYSIAKCVAAALTRACPKEGPAVVGQFIQDVKNRSRSTDSIRLLALL
 SLGEVGHIDLSGQLELKSIVILEAFSSPSEEVKSAAASYALGSISVGNLPEYLPFVLQEI TSQPKRQYLLL
 HSLKEIISASVVLKPYVENIWALLLKHCECAEEGTRNVVAECLGKLTIDPETLLPRLKGYLISGSSY
 ARSSVVTAVKFTISDHPQPIDPLLNKICIGDFLKTLEDPLNVRVALVTFNSAAHNKPSLIRDLLDSVLP
 HLYNETKVRKELIREVEMGPFKHTVDDGLDIRKA AFECMYTL DLSCLDRLDIFEFLNHVEDGLKDHYDIK
 MLTFLMLVRLSTLCPSAVLQRLDRLVEPLRATCTTKVKANSVKQEFQKQDELKRSAMRAVAALLTIPEAE
 KSPLMSEFQSQISSNPELAAIFESI QKDSSTNLESMDS

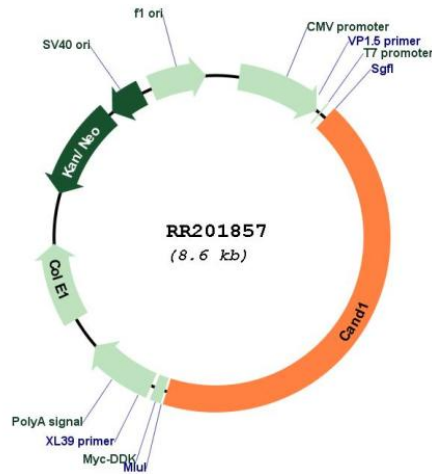
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_054004

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:

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_054004.2](#), [NP_446456.1](#)

RefSeq Size: 4381 bp

RefSeq ORF: 3693 bp

Locus ID: 117152

UniProt ID: [P97536](#)

Cytogenetics: 7q22

MW: 136.4 kDa

Gene Summary: interacts with TATA-binding protein and may be involved in transcription regulation [RGD, Feb 2006]