

Product datasheet for RR203857

LOC298795 (NM_001013941) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LOC298795 (NM_001013941) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LOC298795
Synonyms:	MGC108952
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR203857 representing NM_001013941 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGAGAGCCAGTCTGATCCAGAAGGCCAAGTTGGCCGAACAGGCCGAACGCTACGAAGACATGGCAG
CTTTCATGAAGAGTGCCGTGAAAAGGGTGAGGAGCTCTCCTTCGAGGAGCGAACCTGCTCTCCGTGGC
CTACAAGAACGTGGTGGCGGCCAGAGATCGGCCCTGGAGAGTCCGTCCAGCATCGAGCAGAAGATCAAC
GAGGAGGGGTCTGAAGAGAAGGGCCCCGAGGTGAAAGAGTACCGGAGAAGGTAGAGACTGAGCTCAGAG
GTGTGTGCGACACCGTGCTAGGCTTGCTGGACTCCCACCTCATCAAAGGGGCTGGAGAGGCTGAGAGCCG
CGTCTTCTACCTGAAGATGAAGGGTGACTACTACCGCTACCTAGCTGAGGTGGCCACTGGTGATGACAAG
AAGCGCATCATCGATTCTGCCGGTCAGCCTACCAGGAGGCCATGGACATCAGCAAGAAGGAGATGCCGC
CCACCAACCCCATACGCCTGGCCTGGCCTGAACTTTCCGTCTTCCACTATGAGATAGCCAACAGGCC
GGAGGAGGCCATCTCACTTGCCAAGACCACCTTCGACGAGGCCATGGCCGATCTGCACACCCTCAGTGAG
GACTCCTACAAGGACAGCACCCATCATGCAGCTGCTGAGAGACAACCTGACGCTGTGGACAGCCGAAA
ATGCTGGGGAAGAGGGTGGCGAGGCTCCAGAGGAGCCCCAGAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203857 representing NM_001013941
 Red=Cloning site Green=Tags(s)

MERASLIQKAKLAEQAERYEDMAAFMKSAVEKGEELSFEERNLLSVAYKNVVGQQRSAWRVLSIEQKIN
 EEGSEEKGPEVKEYREKIVETELRGVCDTVLGLLDSHLIKGAGEAESRVFYLKMKGDYYRYLAEVATGDDK
 KRIIDSARSAYQEAMDISKEMPPTNP IRLGLALNFSVFHYEIANRPEEAI SLAKTTFFDEAMADLHTLSE
 DSYKDSTLIMQLLRDNLTLWTAENAGEEGEAPPEEPQS

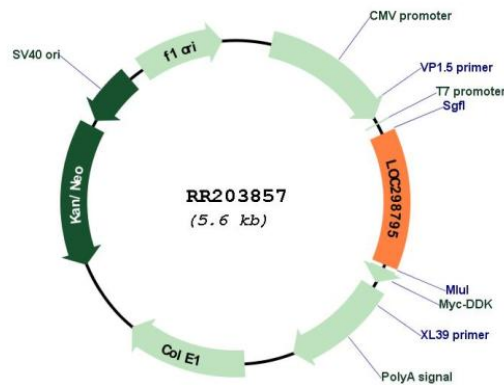
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001013941
ORF Size: 744 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.
RefSeq:	NM_001013941.1 , NP_001013963.1
RefSeq Size:	1299 bp
RefSeq ORF:	747 bp
Locus ID:	298795
Cytogenetics:	6q13
MW:	27.9 kDa