

Product datasheet for **RR206251**

LOC286960 (NM_173301) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LOC286960 (NM_173301) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LOC286960
Synonyms:	Try4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR206251 representing NM_173301 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGATCAGCATCTTCTTTGCTTTTCTCGGAGCTGCTGTTGCTCTCCCTGTTAATGATGATGACAAGA
TTGTTGGAGGCTACACATGTCCGAAGCATTGGTTCCTTACCAGGTGCTTTGCATGATGGCATTAGCCA
CCAGTGTGGTGGCTCCCTTATCAGTGATCAGTGGTACTGTCTGCTGCTCATTGCTATAAAAGGAACTC
CAGGTTTCGCTTGGTGAACACAATATTCATGTTCTTGAGGGTGGAGAGCAATTCATTGATGCAGAAAAGA
TCATTCGACACCCTGAGTATAACAAGGACACTCTGGACAATGACATCATGCTGATTAATGAAGTCACC
TGCCGTCCTTAATCCCAAGTATCTACGGTCTCTCTGCCAGATCCTGTGCATCTACAGATGCTCAGTGC
CTTGCTGCTGGCTGGGGAACACTGTGAGCATTGGTGGTAAATACCCAGCACTCCTTCAATGCCTGGAAG
CCCCTGCTCTCTGCTAGTTCTTGCAAAAAATCCTACCCAGGCCAGATCACCAGCAATATGTTCTGCCT
GGGCTTCTGGAGGGTGGAAAGGACTCCTGTGATGGTGAATCTGGTGGCCCTGTTGTCTGCAATGGAGAG
ATCCAGGGCATTGTCTCCTGGGGTTCAGTCTGTGCAATGAGAGGAAGCCTGGTGTACACCAAAGTCT
GCAACTACCTGAGCTGGATTGAGGAGACTATGGCGAACAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR206251 representing NM_173301

Red=Cloning site Green=Tags(s)

MKISIFFAFLGAAVALPVNDDDKIVGGYTCPKHLVPYQVSLHDGISHQCGGSLISDQWVLAAHACYKRKL
 QVRLGEHNIHVLEGGEQFIDAEEKIIRHPEYNKDTLDNDIMLIKLSKSPAVLNSQVSTVSLPRSCASTDAQC
 LVSGWGNTVSIIGGKYPALLQCLEAPVLSASSCKKSYPGQITSNMFCLGFLEGGKDCDGDSSGPPVVCNGE
 IOGIVSWGVSVCAMRGKPGVYTKVCNYLSWIOETMANN

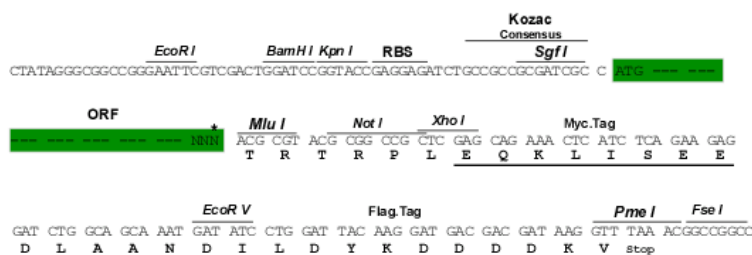
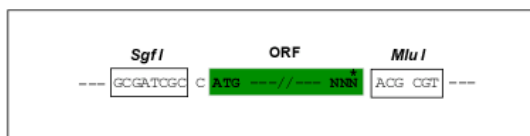
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 173301

ORF Size: 741 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_173301.1](#), [NP_775423.1](#)

RefSeq Size: 862 bp

RefSeq ORF: 744 bp

Locus ID: 286960

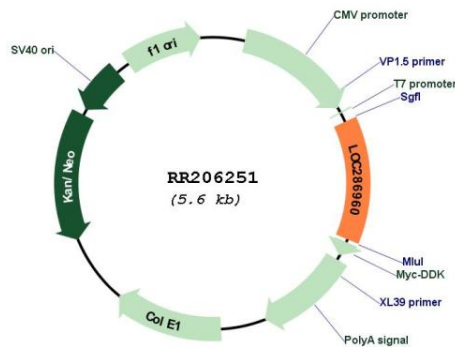
UniProt ID: [P12788](#)

Cytogenetics: 4q23

MW: 26.6 kDa

Gene Summary: member of the trypsin family of serine proteases [RGD, Feb 2006]

Product images:



Circular map for RR206251