

Product datasheet for MR214704

Prol1 (NM_008644) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prol1 (NM_008644) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prol1
Synonyms:	Muc10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR214704 representing NM_008644 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAAATGAAATGTTTCATCTTGGCCTGTTGGCTCTTACTTCATATTTTCATGCCTGGTAAAGTCATC
ACAAGTCAAGAAGTTCACAATTCCTGTGAGAAAATATCTAGAAGACCAAGATATCCAAGATATCCAAG
ACCACATTATTCCTATGGTTTCATTCCAAGCTCTCAAAGTTTCCAAAAGACAATCAATGGTATAAGATG
TGCCCTCCAGGAACCTTAATGCTGATCAGTCGCCGTTCTCCTAAATTTCTATGCATTCTAAAAGAC
AGATTATCTCTGATAAAACGAAACCAAATGCAACCACACCAGCACCTACCACCAAACCTACCACAAATGC
AACTACACCAGCACCAACCAACAGAAGTACCACAAATGCAATCACACCAGCACCGACCCCAAACCTACC
ACAAATGCAACCACACCAGCACCAACCAACAGAAGTACCACAAATGCAACCACACCAGCACCGACCCCTCA
AACCTACCACAAATGCAACCATACCAGCACCAACCAACAGAAGTACCACAAATGCAACCACACCAGCACCC
GACCACAAAACCTACCACAAATACAACCACACCAGCACCGACCAACCAATCTACCACAAATGTAACCACA
CCAGCAACAACCACAAATGTAACCACACCAGCAACAACCACAAATGCAACCACACCAGCAACAACCACAA
ATGCAACCACACCAGCAACAACCACAAATGCAACCACACCAGCAACAACCACAAATCTACAACAAAAGA
ACCTACTACTTACCTAAGCCTAGCACCTCTACAGCCATACCTACAACAATAAGTCTGCAATAGTACT
TCCTCTACTACAATACTACTACCATCCAAACTACAGCTCCAACATTTGCGGAAGTGTGGGAAGTTCT
TTCAGCAGATCTTAGGTTAAAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR214704 representing NM_008644
Red=Cloning site Green=Tags(s)

MKNEMFILGLLALTSYFMPGESHHKSRSSQFPVRKYLEDPYPRYPHYSYGFIPSSPKFPKDNQWYKM
 CPPGTTMLISRRSPKFLCIPKRQIISDKTKPNATTPAPTTPKPTTNPATTPAPTRTTNATTPATPKPT
 TNATTPAPTRTTNATTPAPTLKPTTNPATIPAPNRRTTNATTPAPTTPKPTTNTTTPATTKSTTNVTT
 PATTTNVTTPATTTNATTPATTTNATTPATTTNATTPATTTKSTTKPTTSPKPSTSTAIPTTTTSANST
 SSTTTSTTIQTTAPTFAEVFWKFFQQIFRLKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_008644

ORF Size: 936 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_008644.2](#), [NP_032670.2](#)

RefSeq Size: 1166 bp

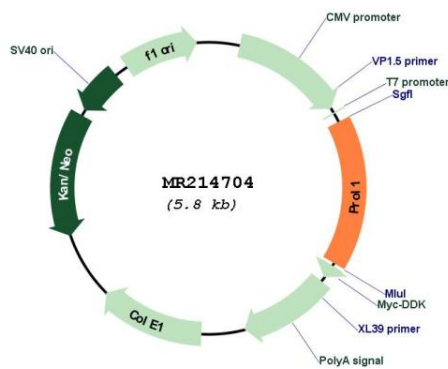
RefSeq ORF: 939 bp

Locus ID: 17830

Cytogenetics: 5 E1

MW: 34 kDa

Product images:



Circular map for MR214704