

Product datasheet for **MG214704**

Prol1 (NM_008644) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Prol1 (NM_008644) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Prol1
Synonyms: Muc10
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG214704 representing NM_008644
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAAAATGAAATGTTTCATCTTGGCCTGTTGGCTCTTACTTCATATTTTCATGCCTGGTAAAGTCATC
 ACAAGTCAAGAAGTTCACAATTCCTGTGAGAAAATATCTAGAAGACCAAGATATCCAAGATATCCAAG
 ACCACATTATTCCTATGGTTTCATTCCAAGCTCTCAAAGTTTCCAAAAGACAATCAATGGTATAAGATG
 TGCCCTCCAGGAACCTTAATGCTGATCAGTCGCCGTTCTCCTAAATTTCTATGCATTCTAAAAGAC
 AGATTATCTCTGATAAAACGAAACCAAATGCAACCACACCAGCACCTACCACCAAACCTACCACAAATGC
 AACTACACCAGCACCAACCAACAGAACTACCACAAATGCAATCACACCAGCACCGACCCCAAACCTACC
 ACAAAATGCAACCACACCAGCACCAACCAACAGAACTACCACAAATGCAACCACACCAGCACCGACCTCA
 AACCTACCACAAATGCAACCATACCAGCACCAACCAACAGAACTACCACAAATGCAACCACACCAGCACCC
 GACCACAAAACCTACCACAAATACAACCACACCAGCACCGACCAACCAATCTACCACAAATGTAACCACA
 CCAGCAACAACCAAAATGTAACCACACCAGCAACAACCAAAATGCAACCACACCAGCAACAACCAAA
 ATGCAACCACACCAGCAACAACCAAAATGCAACCACACCAGCAACAACCAAAATCTACAACAAAAGA
 ACCTACTACTTACCTAAGCCTAGCACCTCTACAGCCATACCTACAACAATAAGTCTGCAATAGTACT
 TCCTCTACTACAATACTACTACCATCCAAACTACAGCTCCAACATTTGCGGAAGTGTGGGAGTTCT
 TTCAGCAGATCTTAGGTTAAAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG214704 representing NM_008644
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MKNEMFILGLLALTSYFMPGESHHKSRSSQFPVRKYLEDPYPRYPYRPHYSYGFIPSSPKFPKDNQWYKM
 CPPGTTMLISRRSPKFLCIPKRQIISDKTKPNATTPAPTTPKPTTNPATTPAPTRTTTNAITPAPTPKPT
 TNATTPAPTRTTTNPATTPAPTLKPTTNPATIPAPNRRTTTNPATTPAPTKPTTNTTTPAPTKSTTNVTT
 PATTTNVTTTNPATTPATTTNPATTTNPATTTNPATTTKSTTKPTTSPKPTSTAIPPTTKSANST
 SSTTTSTTIQTTAPTFAEVFWKFFQIFRLKK

TRTRPLE - GFP Tag - V

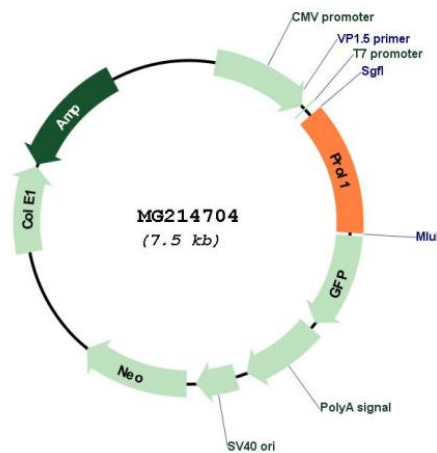
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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:	<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_008644.2 , NP_032670.2
RefSeq Size:	1166 bp
RefSeq ORF:	939 bp
Locus ID:	17830
Cytogenetics:	5 E1