

Product datasheet for **MG222807**

Krt12 (NM_010661) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt12 (NM_010661) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Krt12
Synonyms:	AI835216; K12; Krt-12; Krt1-12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG222807 representing NM_010661
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCGCTTTTCAGTCTGCACCTCTGCGCTGTCCAGGAGGTCTTCCTCACAGAATGGGGCGGCAGGCAGAC
 CTGGGGTGCATCTGCTTCTAGTGTGCCGGCGCTATGGGGATCGCCCTCTGGCTTTGGAGTTGGCTG
 TGGAGGCCTCTTTTCTGCTGCTCCATGTTTGGTTCTAGTTCTGGCTTTAGCGGTGGCTCTGCAGTTGC
 TTGCCGGGCTTGGCTCTGCCTATGGGGACCTCTGAGAGGTGGCGGGGAGGAATGGGGATAGGGATGG
 GGATAGCTGGAAGCTCGGGCGGTGGCTCTCTGTGTATCTTTCTGGCAATGATGGAGGTCTTCTTTCTGG
 TTCTGAGAAGAAACCATGCAAAATCTAAATGACAGACTAGCTTCTACCTGGTAAGGTTTCGCTCTCTA
 GAGGAGGCTAATGCAGAACTGGAAAACAAAATTCGAGAGTGGTATGAAACACGGAGAACCAGAGACGCTG
 GGTCTCAGAGTGATTACAGTAAATACTACCCACTGATTGAAGACTGAAGAATAAGATCGTTTCTGCCAG
 AGTCAGCAACGCCAGCTCCTCTGCAGATTGACAACGCAAGGCTGGCTGCTGAGGACTTCAGGATGAAG
 TATGAGAATGAGCTGGCCCTGCGCCAGACCGTGGAGGCCGACATCAACGGGCTGCCAAGGGTGTGGACG
 AGCTGACCCTGACTAGAGCCGACCTGGAAGCCAGCTTGAGACCCTCACTGAGGAGCTGGCTTACATGAA
 GAAGAACCACGAAGGAACTCCAAAGTTTCCAGGCAGGTGGTCCAGGTGAGGTCAATGTAGAAATGGAC
 GCGGCCCTGGAGTGGATCTCACCAGGTCTCAATGAAATGAGAGCCAGTATGAAGCCATGGCTGAGC
 AAAATCGGAAAGATGCAGAGGCTGGTTCTTGAAAAGAGCGGAGAGCTCCGAAAAGAGATCAGCAGCAA
 CACGGAGCAGTTCAGTCCAGCAAGAGCGAGGTACCCGACCTGAAGCGCATGGTGCAGAACCTAGAGATT
 GAACTCCAGTCCCAGCTCGCCATGAAGTCGTCCCTGGAAGGCTCGCTGGTGAACCCGAGGGTGGTACT
 GCTGCCAAGTGTCTCAGGTGCAGCAGCTGATCGGCAGCCTGGAGGAGCACTCCAACAGGTCGGGCTGA
 CCGGAGCGCCAGAAATGCGGACCACCGCGGCTGCTGGGCGTCAAGGCTCGCTGGAGATGGAGATTGAG
 ACCTACCGCCGGCTGCTGGAGGGGACAGCCAAGGTGACGGTTTTGACGAGAGCTCATCCCTTCCGCTCT
 CCAAACCGCAGACACCATCAGTCGATTCTCTAAAGACCCAAATAAACTCGAAAATCAAGACAGTCGT
 GCAGGAGATAGTGAATGGTGAAGTGGTCTCATCCAGGTTGAGAACTTGAAGAAGAGATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG222807 representing NM_010661
 Red=Cloning site Green=Tags(s)

MSLSVCTSALSRSSSQNGAAGRPWGASASSVAGGYGGSASGFVGVCGGLFSAASMFSSSGFSGGSAGC
 LPGLGSAYGGPLRGGAGGMIGMGIAGSSGGSLCIFSGNDGGLLSGSEKETMQNLNDRLASYLKVRSL
 EEANAELNKKIREWYETRTRDAGSQSDYSKYYPLEIDLKMKIVSARVSNAQLLLQIDNARLAAEDFRMK
 YENELALRQTVEADINGLRRVLDLTLTRADLEAQLLELTYELAYMKKNHEEELQSFQAGGPGEVNVEMD
 AAPGVDLTKVLNEMRAQYEAMAEQNRKDAEAWFLEKSGELRKEISSNTEQLQSSKSEVTDLKRNVQNL
 ELQSQLAMKSSLEGLAETEGGYCCQLSQVQQLIGSLEEQLQVVRADAERQADHQRLLGVKARLEMEIE
 TYRRLLEGDSQGDGFDESSSLVSKPQTPSVDSKDPNKTRKIKTVVQEIYVNGEVVSSQVQEELEEM

TRTRPLE - GFP Tag - V

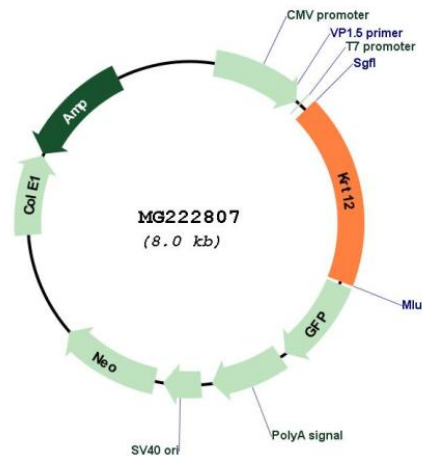
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_010661

ORF Size: 1461 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_010661.2](#), [NP_034791.2](#)

RefSeq Size: 1854 bp

RefSeq ORF: 1464 bp

Locus ID: 268482

Cytogenetics: 11 62.92 cM