

Product datasheet for **MG224726**

Krt34 (NM_027563) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt34 (NM_027563) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Krt34
Synonyms:	4733401E01Rik; Ha2; K34; Krt1-; Krt1-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224726 representing NM_027563 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTGTGAGTCTTGCTGCCGCCCTGAGCTGCCGCACCAGCTGCTCCTCCCGGCCCTGCGTGCCCC
CCAGCTGCCATGGCTGCACCCTGCCCGGGGCTGCAACATCCCCGCAATGTGGGCAACTGCAATTGGTT
CTGTGAGGGCTCCTTCAATGGCAATGAGAAGGAGACCATGCAGTTCCTGAATGACCGCTGGCCTCCTAT
ATGGAGAAGGTGAGGCAGCTGGAGAGAGAATGCAGAGCTGGAATGTAGGATCCAGGAGAGGAACCAGC
AGCAGGACCCCTGGTGTGCTCCTACCAGGCTACTTCAGGACCATGAGGAGCTGCAGCAGAAGAT
TCTGTGTGCTAAGTCTGAGAACGCCAGGCTGGTGTGTCAGATCGACAATGCCAAGCTGGCCTCTGATGAC
TTCAGGACCAAGTACCAGACTGAGCTGTCCATGAGGCAGCTGGTGGAGGCTGACATCAACAGCCTGCGCA
GGATCCTGGATGAGCTGACCCTCTGCAAGTCTGACTTGGAGGCTCAGGTGGAGTCTCTGAGGGAGGAGCT
GCTGTGCCTCAAGAAGAACCACGAGGAGGAAGTCAACACCCTGCGCTGCCAGCTTGGAGACCGCCTCAAC
GTGGAGGTGGACGCTGCTCCACCGTGGACCTGAACCGAGTGTCAACGAGACCAAGTGTAGTACGAGG
CCCTGGTGGAAACCAACCGCCGGGAAGTGGAGGAATGGTTCACCACACAGTCAGAGGAGCTGAACAAGCA
GGTGGTGTCCAGCTCAGAGCAGCTACAGTCTGCCAGGCTGAGATCATCGAGCTAAGACGCACAGTCAAC
GCCCTGGAGATCGAGCTCAGGCCCAGCACTGCATGAGAACTCTGGAGAACAACCCCTGACAGAGAGTG
AGGCTCGCTACAGCTCTCAGCTGTCCAGGTGCAGTGCCTGATCACCACAGTGGAGTCTCAGCTTGGTGA
GATCCGGGCTGACCTGGAGCGTCAAGACAGGAGTACCAGGTGCTGCTGGATGTCCGGGCCAGGCTGGAG
TGTGAGATCAACACGTACAGGAGCTGCTGGAGAGCGAGGACTGCAACCTCCCCTGCAACCCATGCGCCA
CCACCAATGCTAGTGGCAGTTGCTGTGGACCTTGGCCAGCTCAAAGCGTTGCTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224726 representing NM_027563
Red=Cloning site Green=Tags(s)

MSCESCLPALSCRTSCSSRPCVPPSCHGCTLPGACNIPANVGNCNWFCEGSFNGNEKETMQFLNDRLAS
 MEKVRQLERENAELECRIQERNQQDPLVCPAYQAYFRTIEELQKILCAKSENARLVVQIDNAKLASDD
 FRTKYQTELSMRQLVEADINSLRRILDELTLCKSDLEAQVESLREELLCLKKNHEEEVNTLRQQLGDRLN
 VEYDAAPTVDLNRVLNETRCQYEALVETNRREVEEWF⁺TTQSEELNKQVVSSEQLQSCQAEIIELRRTVN
 ALEIEIQAQHCMRNSLENTL⁺TESEARYSSQLSQVQCLITNVESQLGEIRADLERQNEYQVLLDVRARLE
 CEINTYRSLLESDCNLPCNPCATTNASGCCGCGSSKRCC

TRTRPLE - GFP Tag - V

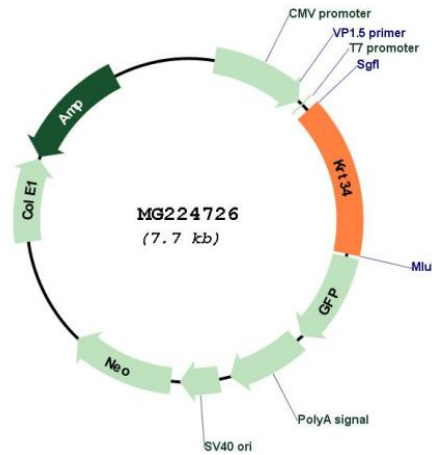
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_027563

ORF Size:	1176 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_027563.4 , NP_081839.1
RefSeq Size:	1605 bp
RefSeq ORF:	1179 bp
Locus ID:	16672
UniProt ID:	Q9D646
Cytogenetics:	11 63.38 cM
Gene Summary:	The protein encoded by this gene is a member of the keratin gene family. As a type I hair keratin, it is an acidic protein which heterodimerizes with type II keratins to form hair and nails. [provided by RefSeq, Sep 2015]