

Product datasheet for **MG207279**

Krt15 (BC057934) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt15 (BC057934) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Krt15
Synonyms:	A1528832; K15; Krt1-15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207279 representing BC057934
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCACCACATCTTTGCAAACGCTCTCCACTTTTGGAGGCAGCTCTACCCGAGGGCTTCCCTCCGTG
 CTGGGGGAGGCAGCTTTGGTGGAGGGAGTCTCTATGGGGGAGGTGGAAGCCGAAGTATCTCTGCTTCTTC
 TGCTAGGTTTGTCTCTCGGGGGCAGGAGGGGGCTTTGGGGGTGGCATGAGTTGTGGCTTTGGTGGTGGT
 TTTGGTGGAGGCTTTGGTGGGGTTTTGGCGGTGGCTTCGGTGATTTTGGTGGTGGCGATGGAGGCTCC
 TCTCTGGCAATGAGAAGGTGACCATGCAGAACCTTAATGACCGCTGGCCTCCTACCTGGACAAGGTGCC
 TGCCCTAGAGCAGGCCAACACTGAGCTGGAGGTGAAGATCCGAGATTGGTACCAGAAGCAGAGCCCAGCC
 AGTCCAGATCGGGACTACAGCCATTACTTTAAGACCATGGAAGAGATCCGGGACAAAATTCTGGCTGCCA
 CCATTGACAACCTCGCGCTTGTCTGGAGATTGACAATGCCAGGCTGGCGGGCAGCAGCTTCAGGCTCAA
 GTATGAGAATGAGCTGACCTGCGTCAGGGCGTGGAGGCCGACATCAACGGGCTGCGCCGGGTGCTGGAT
 GAGCTGACCTGGCCAGGACCGACTGGAGATGCAGATTGAGCAGCTGAACGAGGAGCTGGCTTACCTGA
 AGAAGAACCATGAGGAGGAGATGAAGGAATTCAGCAGTCAACTGGCTGGCCAGGTCAATGTGAAATGGA
 CGCAGCACCCGGGTGGACCTGACCCGCATGCTGGCAGAGATGAGGGAGCAGTATGAAGCTATTGCAGAG
 AAAAACCGTCGGGATGTAGAGGCTGGTTCTTCAGTAAGACTGAAGAGCTGAACAAGGAGGTGGCGTCTA
 ACACAGAAATGATCCAGACCAGCAAGACGGAGATCACAGACCTGAGACGGACCCTGCAGGGGCTAGAGAT
 TGAGTTGCAGTCTCAGCTCAGCATGAAAGCCGGGCTGGAGAACTCTTGGCAGAGGTGGAGTGCCGCTAT
 GCCACACAGCTGCAGCAGATCCAGGGGGTCAATTACCGTCTGGAGACTCAGCTGAGTGAGCTCCGCTGTG
 AGATGGAGGCTCAGAACCAGGAGTACAACATGCTGCTGGACATCAAGACTCGGCTGGAACAGGAGATCGC
 CACTTACCGAACTGCTCGAGGGCCAGGATGCTAAGATGGCTGGTATTGGTGTGACAGAGAAGTATCCCTG
 GGAGGAAGCAGCGGTGGCGGTGGCAGCAGTAGCAGCAGCAATTTCCATATCAGTGTGGAGGAATCAG
 TGGATGGAAAAGTGGTTTCTTCCCGTAAGAGAGAAATC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207279 representing BC057934
 Red=Cloning site Green=Tags(s)

MATTFLLQTSSTFGGSSTRGASLRAGGGSFGGGSLYGGGSRISASSARFVSSGAGGGFGGGMSCGFGGG
 FGGGFGGGFGGGFGDFGGGDDGLLSGNEKVTMQNLNDRLASYLKVRALQANLELVKIRDWYQKQSPA
 SPDRDYSHYFKTMEIIRDKILAATIDNSRVVLEIDNARLAADDFRLKYENELTLRQGV EADINLRRVLD
 ELTLARTDLEMQIEQLNEELAYLKNHEEEMKEFSSQLAGQVNVEMDAAPGVDL TRMLAEMREQYEAIAE
 KNRRDVEAWFFSKTEELNKEVASNTEMIQTSKTEITDLRRTLQGLEIELQSQLSMKAGLENSLAIEVECRY
 ATQLQQIQGVITGLETQLSELRCEMEAQNQEYNMLLDIKTRLEQEIATYRNLLLEGQDAKMAGIGVREVSL
 GSSSGGGSSSSSNFHISVEESVDGKVVSSRKREI

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC057934

ORF Size: 1370 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: [BC057934](#), [AAH57934](#)

RefSeq Size: 1706 bp

RefSeq ORF: 1370 bp

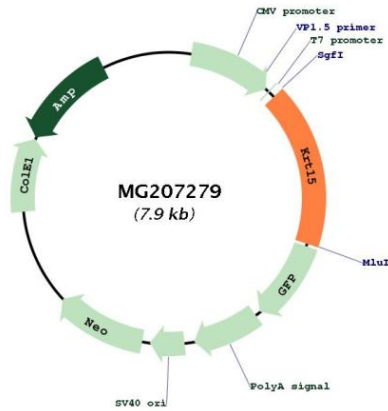
Locus ID: 16665

Cytogenetics: 11 63.41 cM

Gene Summary:

In the absence of KRT14, makes a bona fide, but ultrastructurally distinct keratin filament network with KRT5.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207279