

Product datasheet for **MG220242**

Krt85 (NM_016879) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt85 (NM_016879) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Krt85
Synonyms:	AA589597; BB007925; Hb5; Krt2-18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG220242 representing NM_016879
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCCTGTCGCTCTACAGGATCAGCCCAGGATGTGGAGTTACCAGAACTTCAGTCTCTGCTCAGCCC
 TAGCCCCCAAACCTGGCAACCGCTGCTGCATCAGCGCAGCTCCCTTCCGAGGAGTGTCTTGTACCGGGG
 ATTGACTGGCTTACGAGCCGAAGCCTCTGTAACCCAAGCCCCTGTGGGCCCGCATGGCTGTTGGGGG
 TTCGCTCTGGCTCTGTGGACGACGCTTCGGATACCGTTCTGGAGGCGTCTGTGGGCCAGCCGCCCT
 GCATCACCACCGTCTCTGCAATGAGAGCCTGCTCAGCCCTGAACCTGGAGATCGACCCCAATGCTCA
 GTGTGTGAAGTATGAAGAGAAGGAGCAGATCAAGTGTCTCAACAGCAAGTTCGCGGCCTTCATTGACAAG
 GTGCGATTCTGGAGCAACAGAACAAGCTGCTGGAGACCAAGTGGCAGTCTACCAGAACCGAAGTGT
 GTGAGAGCAACCTGGAGCCCTGTTGGAGGCTACATCGAGGCACTGAGGCGGGAGGCTGAATGTGTGA
 GCGGACAGCGGGAGGCTGGCTGCTGAGCTCAACCATGTGCAGGAGGCCATGGAGGGCTACAAGAAAAAG
 TATGAAGAGGAGGTGGCTCTGAGGGCTACAGCAGAGAATGAGTTTGTGGTACTAAAGAAGGATGTGGACT
 GTGCCTACTTACGTAAATCAGACCTGGAGGCCAAGCTGGAGGCCTTGGTGGAGGAGTCAAGCTTCTGAA
 GCGTCTTTATGAAGAGGAGGTCTGTGTTCTGCAAGCCACATCTCAGACACCTCTGTATCGTCAAGATG
 GACAACAGCCGAGACCTGAACATGGACTGCGTCGTGGCTGAGTCAAGGCTCAGTATGATGACGTTGCCA
 GCCGACGCGTGTGAGGCTGAGTCTGGTACCGCACCAAGTGTGAGGAGATGAAGGCCACCGTATCCG
 GCATGGGAGACCCTGCGCCGACGAAGGAGGAGATCAACGAGCTGAACAGAATGATACAGAGGCTGACC
 GCCGAGATCGAGAATGCCAAGTCCAGCGTCCAAAGCTGGAAGCTGCTGTGGCTGAGGACAGACAGCAGG
 GAGAGCCCGCCCTCGCTGATGCCCGCTGCAAGCTGGCTGAGTGGAGGGTGCCTGCAGAAGGCCAAGCA
 GGACATGGCCTGCCTGCTCAAGGAGTACCAGGAGTAATGAACTCCAAGCTGGCACTGGACATCGAGATC
 GCCACCTACAGGCGCTGCTGGAGGCGAGGAGCAGAGGCTCTGCGAGGGTGTGGCTCTGTGAATGTCT
 GTGTCAGCAGCTCCCGTGGAGGAGTACATGTGGGGCCCTCACCTATGGCACAACCCAGGGCGCCAGAT
 TGTCTCTGGACCCTCTGTACTGGGGCAGCATCACAGTATGGCCCTGACTCTGCTCTCCTTGCCAG
 CCCCGCCTCCAGCTTACCTGTGGGAGCAGCCGCTCAGTGGCTTCGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG220242 representing NM_016879
 Red=Cloning site Green=Tags(s)

MSCRSYRISP GCGVTRNFSSCSAVAPKTNRRCSAAPFRGVSCYRGLTGFSSRSLCNPSPCGPRMAVGG
 FRSGSCGRSFGYRSGGVCGPSPPCITTVSVNESLLTPLNLEIDPNAQCVKYEEKEQIKCLNSKFAAFIDK
 VRFLEQQNKLLETWKQFYQNRKCCESNLEPLFGGYIEALRREAECVEADSGRLAELNHVQEAMEGYKKK
 YEEEVALRATAENEFVVLKDVDCAYLRKSDLEANVEALVEESSFLKRLYEEVCVLQAHISDTSVIVKM
 DNSRDLMDCVVAEIKAQYDDVASRSRAEASWYRDKCEEMKATVIRHGETLRRTKEEINELNRMQRILT
 AEIENAKQRAKLEAAVAEAEQQGEAALADARCKLAELEGALQKAKQDMACLLKEYQEVMSKLLALDIEI
 ATYRRLLEGEEQRLCEGVGSVNVCSVSSRGGVTCGGLTYGTTGRQIVSGPSVTGGSIITVMAPDSCSPCQ
 PRASSFTCGSSRSVRFA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_016879

ORF Size: 1521 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_016879.2](#), [NP_058575.2](#)

RefSeq Size: 2594 bp

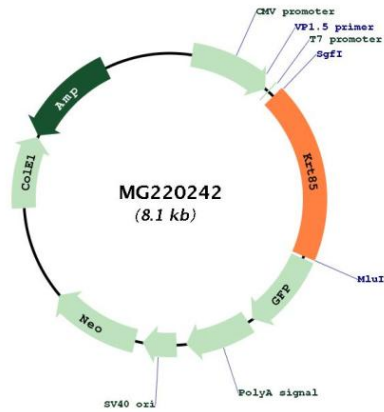
RefSeq ORF: 1524 bp

Locus ID: 53622

UniProt ID: [Q9Z2T6](#)

Cytogenetics: 15

Product images:



Circular map for MG220242