

Product datasheet for **MR219963**

Krt28 (NM_027574) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt28 (NM_027574) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Krt28
Synonyms:	4733401L19Rik; Krt25d
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR219963 representing NM_027574
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTCTCCGGTTTTCTGGCGGATCCAGGCACGTTGGCATAAGTCCGGATCCCTCAGGCCGCCAGCG
 GAGGCGCAGGCTTTGCTGGGAGCAGCGTGGCTGGCGGTTTCGGTTGCTGGTAGTGGATTTTCTGGGCTTT
 GGGAGGGACACTGGGAGTGTCTCTGGTGGGAGCCATGCCACTGGTGCCTGGGAAATGTCTCTGGTGT
 TGCTTCATCGGAAGTGAAGGGGCTCCTCTCTGGAAACGAGAAGGTACCATGCAGAATCTTAACAACC
 GCTTGGCCTTTACCTGGATAACGTAAAAGCTCTGGAGGAGGCCAACTCTGAGCTAGAGAGAAAGATCAA
 GACTTGGCATGAGAAATACGGACCGGATCGTGCCGTGGACTTGACCGTGACTACAGCAAGTATCATCTA
 ACCATTGAGGACCTGAAAAGCAAGATCATCTCTCCACGGCTGCTAATGCTAATAAATTCTGCAAATTG
 ATAACGCCAGACTGGCCGAGACGATTTCCGACTAAAGTATGAAAACGAACTCACCTTCACCAAAATGT
 CGAGGCAGACATCAATGGTTGCGGCGCTCCTTGACGAGCTAACCTCTGCAGAACGGACCAAGAGCTG
 CAGTACGAATCCCTGAGTGAGGAGATGACTTATCTCAAGAAGAACCACGAAGAGGAAATGAAAGTCTGC
 AGTGCGCAGCTGGAGGCAACGTGAACGTGGAGATGAACGACGCCAGGCCAGGCGTGGACCTCACCGTCTT
 GAACAACATGCGAGCAGAGTACGAGGCCCTGGCTGAGCAGAACCAGGGACGCCGAGGCCCTGGTCCAA
 GAGAAGAGCGCCACGCTGCAGCAGCAGATCTCCAATGACTTGGGCGCCGCCACCTCAGCCAGGACCGAGC
 TGACAGAGCTGAAACGCTCCCTGCAGACCTGGAGATCGAGTGCAGTCCCTCTCAGCTACGAAACACTC
 TCTGGAGTGTCCCTGGCGGAGACCGAGGGCAACTACTGCTCACAGCTGGCTCAGATCCAGGCTCAGATC
 AGCGCCCTGGAGGAGCAGCTGCACCAGGTGAGGACGGAGACCGAGGGCCAGAAGCTGGAACATGAGCAGC
 TGCTGGACATCAAGGCCACCTGGAGAAGGAGATCGAGACCTACTGCCGCTCATAGACGGAGACGAGAA
 TTCTGTCTGTCTCAAAGGGTTTTGAATCTGGAACCTCGGGGAATTCACCCAAAGATGTATCCAAAACC
 ACACTGGTGAAGACGGTGGTTGAAGAAATAGATCAGCGTGGGAAGGTGCTGTCCTCCAGGATCCACTCCA
 TCGAGGAAAAGATGTCTAAGATGAGCAACGGCAAGGCTGAGCAGAGGGTCCCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219963 representing NM_027574
 Red=Cloning site Green=Tags(s)

MSLRFSGGSRHVGIQSGSLRPPSGGAGFAGSSVAGGSSVAGSGFSWALGGTLGSAPGGSHATGALGNVSGV
 CFIGSEGLLSGNEKVTMQNLNNRLASYLDNVKALEEANSELERKIKTWHEKYGPGRGLDRDYSKYHL
 TIEDLKSIISSSTAAANANIILQIDNARLAADDFRLKYENELTLHQNVEADINGLRRVLDLTLCRTDQEL
 QYESLSEEMTYLKKNHHEEMKVLQCAAGNVNMEMNAAPGVDLTVLLNNMRAEYEAQNRDAEAWFQ
 EKSATLQQQISNDLGAATSARTELTTELKRSQTLEIELQSLSATKHSLECSLAETEGNYCSQLAQIQAI
 SALEEQQLHQVRTEETEGQKLEHEQLLDIKAHLEKEIETYCRIDGDENSCSVSKGFESGTSGNPKDVSKT
 TLVKTVEEIDQRGKVLSSRIHSIEEKMSKMSNGKAEQRVPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9078_e03.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_027574

ORF Size: 1386 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_027574.1](#), [NP_081850.1](#)

RefSeq Size: 1489 bp

RefSeq ORF: 1389 bp

Locus ID: 70843

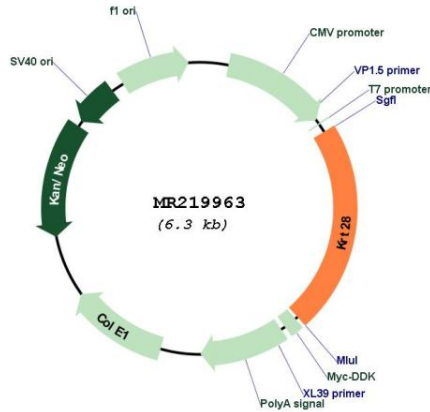
UniProt ID: [A6BLY7](#)

Cytogenetics: 11 D

MW: 50.3 kDa

Gene Summary: Essential for the proper assembly of types I and II keratin protein complexes and the formation of keratin intermediate filaments in the inner root sheath (irs).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219963