

Product datasheet for **MC216328**

Krt28 (NM_027574) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC216328 representing NM_027574
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTCCGGTTTTCTGGCGGATCCAGGCACGTTGGCATAAGTCCGGATCCCTCAGGCCGCCAGCG
 GAGGCGCAGGCTTTGCTGGGAGCAGCGTGGCTGGCGTTTCGGTTGCTGGTGTAGTGGATTTCTGGGCTTT
 GGGAGGGACACTGGGCGAGTCTCCTGGTGGGAGCCATGCCACTGGTGCCTGGGAAATGTCTCTGGTGT
 TGCTTCATCGGAAGTGAAGGGGCTCCTCTCTGGAAACGAGAAGGTACCATGCAGAATCTTAACAACC
 GCTTGGCCTTTACCTGGATAACGTAAGCTCTGGAGGAGGCCAACTCTGAGCTAGAGAGAAAGATCAA
 GACTTGGCATGAGAAATACGGACCGGGATCGTGCCGTGGACTTGACCGTGACTACAGCAAGTATCATCTA
 ACCATTGAGGACCTGAAAAGCAAGATCATCTCTCCACGGCTGCTAATGCTAATAAATTCTGCAAATTG
 ATAACGCCAGACTGGCCGACAGATTTCCGACTAAAGTATGAAAACGAACTCACCTTCACCAAAATGT
 CGAGGCAGACATCAATGGGTTGCGGCGCTCCTTGACGAGCTAACCTCTGCAGAACGGACCAAGAGCTG
 CAGTACGAATCCCTGAGTGAGGAGATGACTTATCTCAAGAAGAACCACGAAGAGGAAATGAAAGCTCTGC
 AGTGCGCAGCTGGAGGCAACGTGAACGTGGAGATGAACGCAGCCAGCCAGGCGTGGACCTCACCGCTCTT
 GAACAACATGCGAGCAGAGTACGAGGCCCTGGCTGAGCAGAACCAGGGACGCCGAGGCCCTGGTTCCAA
 GAGAAGAGCGCCACGCTGCAGCAGCAGATCTCCAATGACTTGGGCGCCGCCACCTCAGCCAGGACCGAGC
 TGACAGAGCTGAAACGCTCCCTGCAGACCTGGAGATCGAGTGCAGTCCCTCTCAGCTACGAAACACTC
 TCTGGAGTGTCCCTGGCGGAGACCGAGGGCAACTACTGCTCACAGCTGGCTCAGATCCAGGCTCAGATC
 AGCGCCCTGGAGGAGCAGCTGCACCAGGTGAGGACGGAGACCGAGGGCCAGAAGCTGGAACATGAGCAGC
 TGCTGGACATCAAGGCCACCTGGAGAAGGAGATCGAGACCTACTGCCGCTCATAGACGGAGAGAGAA
 TTCTGCTGTCTCAAAGGGTTTTGAATCTGGAACCTCGGGGAATTCACCCAAAGATGTATCCAAAACC
 ACACTGGTGAAGACGGTGGTTGAAGAAATAGATCAGCGTGGGAAGGTGCTGTCCTCCAGGATCCACTCCA
 TCGAGGAAAAGATGTCTAAGATGAGCAACGGCAAGGCTGAGCAGAGGGTTCCCTT**CTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_027574
- Insert Size:** 1389 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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

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]