

Product datasheet for **MC215948**

Krt27 (NM_010666) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt27 (NM_010666) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Krt27
Synonyms:	CK-27; Krt1-c2; Krt1-c29; mlRS; mlRSa3.1; st; stpm
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC215948 representing NM_010666
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGTCCGTTTCGCTTTTCTCCGCATCCAGACGGCTGGGCTCTGTGAGGCTCTCCAGCGCGGAGCAGCCT
 TGGGGGCTGGAACGCATGCGGAGTGCCGGGCATCGGAAGCGGCTTCTCCTGCGCCTTTGGGGCAGTTC
 ATTGGCAGGGGGCTCGGTATGGCGGTGCTTCTGTGGGGCTTACAGCGAATGAGCAGCGCCTCCTC
 TCCGGCAATGAGAAGGTACCATGCAGAACCTTAATGACCGCCTGGCCTCCTACCTGGAGAACGTGCAAG
 CACTGGAGGAGGCAATGCTGACCTGGAGCAGAAGATCAAGGACTGGTATGAAAAATTTGGACCTGGGTC
 GTGCCGCGGTCTCGATCATGACTACAGTAGATACTTCCCCATCATTGATGACCTCAGGACCCAGATCATC
 TCTGCAACTGCACACAACGCCAACATCATCTGCAAAATGACAACGCAAGACTGACGGCGGATGACTTCA
 GAATGAAGTATGAGAATGAAGTGGCACTCCACCAGAGCGTCGATGCTGACATCAATGGCTTGGGAGGGT
 CCTGGATGAGCTGACCTGTGCAGAACCGACCTTGAGGTCCAGCTGGAACACTCAGTGAGGAGCTGGCA
 TACCTCAAGAAGAACCACGAGGAGGAAATGCAGGCTCTGCAAGTGCCTGGAGGCAACGTGAACGTGG
 AGATGAACGCAGCCCCGGGCGTGGACCTCACCGTCTGTGAACAACATGAGAGCCGAGTACGAGGCCCT
 GGCTGAGCAGAACCGTAGGGACGCCGAGGCTGGTTCCAAGAGAAGAGCGCCTCCTGCAGCAGCAGATT
 TCAGACGATGCTGGAGCCACCACCTCAGCCAGGAACGAACCTACAGAGATGAAACGGACTCTCCAAACCC
 TGGAGATAGAGCTACAGTCCCTCTTAGCCATGAAACACTCTCTGGAGTGCTCCCTGACGGAGACCGAGGG
 CAACTACTGCACGCAGCTGGCTCAGATCCAGGCTCAGATCAGCGCCCTGGAGGAGCAGCTGCACCAAGTG
 AGGACGGAGACGGAGGGCCAGAAGCTGGAATATGAGCAGCTGCTGAATGTCAAGGCCACCTGGAGAAGG
 AGATCGAGACCTACTGCCGCTCATAGATGGAGACGAGGCTCTTGTGTTAAGGCAAGGCCAAGGAAG
 ACCCGGAAATCAGACAAAAGATTGCGCTAAACTGCCATCGTTAAACTGTCGTGGAAGAGTTAGACCCC
 CGTGGCAAGGTTCTCTCTCCAGAGTTCACACCCTGGAAGAGAAATCCACCAAAGTCAACAGACCGAGC
 AGAGGATCCCTCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_010666

Insert Size: 1347 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_010666.2](#), [NP_034796.1](#)

RefSeq Size: 1570 bp

RefSeq ORF: 1347 bp

Locus ID: 16675

UniProt ID: [Q9Z320](#)

Cytogenetics: 11 62.92 cM

Gene Summary: This gene encodes a member of the type I (acidic) keratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural proteins which form the intermediate filament. These filaments, along with actin microfilaments and microtubules, compose the cytoskeleton of epithelial cells. The mouse type I keratin genes are clustered in a region of chromosome 11. The encoded protein is involved in the formation of intermediate filaments in the inner root sheath. [provided by RefSeq, Sep 2015]