

Product datasheet for **RN207743**

Krt12 (NM_001008761) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Krt12 (NM_001008761) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Krt12
Synonyms:	Ka12; Krt1-12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207743 representing NM_001008761
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGTCGCTTTTCAGTCCGCACCTCTGCGCTATCCAGGAGGTCATCCTCACAGAATGGGGTGGCAGGCAGAC
CTTGGGGTGCATCTGCTTCTAGTGTTCCTGTGGCTATGGGGAAACAGCCTCTGGCTTTGGAGTTGGCTG
TGGAGGGCTCCTTTCTGCGGCTCCATGTTGGGTCTAGTTCTGGCTTTAGCGGTGGCTCTACAGTTGC
TCGCCAGGGCTCGGCACTGCCTATGGGGACCTCTGGGAGCCGGTGTGGGAGGAATGGGGATAGGGGGTA
GCTCGGGCGGTGGCTCTGTGTATCTTTCTGGCAATGATGGAGGACTCTTTCTGGTTCTGAAAAAGA
AACCATGCAAAATCTGAATGATAGACTAGCTTCTACCTGGGTAAGGTTTCGCGCTCTAGAGGAAGCTAAC
GCGGAAGTGGAAAACAAATTCGAGAGTGGTATGAAACTCGAAGAACTGGAGACTCCGGTCCCAGAGTG
ATTACAGTAAATACTACCGCTGATTGAGGACCTGAAGAATAAGATCATTTCTGCCAGCGTCAGCAATGC
CCAGCTCCTCCTGCAGATTGACAACGCACGGCTGGCTGCAGAGGACTTCAGGATGAAGTATGAGAACGAG
CTGGCCCTGCGCCAGACTGTGGAGGCCGACATCAACGGGCTGCGCAGGGTCTGGACGAGCTGACCTGG
CCAGAGCCGACCTGGAAGCACAGACTGAGAACCTGACTGAGGAGCTGGCTTACATGAAGAAGAACCACGA
GGAGAACTCCAAAGTTTCCAGGCAGGTGGTCCAGGTGAGGTCAATGTAGAAATGGACGCCGACCTGGA
GTGGACCTCACCAAGAGCGGAGAGCTCAGAAAAGAGATCAACAGCAACACGGAGCAGCTTTCAGTCCAGCA
AGAGCGAGGTCACCGACCTCAAGCGCATGGTGCAGAACCTGGAGATTGAACTCCAGTCCCAGCTCGCCAT
GAAGTCGTCCTGGAAGGCTCGCTGGCTGAAACCGAGGGTGGATACTGCTGCCAGCTATCTCAGATGCAG
CAGCTTATTGGCAGCCTGGAGGCAACTCCAGCAGTTGCGGGCTGATGCAGAGCCGAGAACGAGGACC
ACCAGCGGCTGCTGGGCGTCAAGGCTCGCTGGAGATGGAGATTGAGACCTACCGCCGGCTCTGGAGGG
GGATACCCAAGGTGATGGTTTTGATGAAAGCTTATCCCTCACGGTCTCAAACCTCAGGCACCATCAGTC
GACTCCTCTAAAGACCCAAATAAACTCGAAAAATCAAGACAGTCGTGCAGGAGATAGTGAATGGCGAAG
TGGTCTCATCCAGGTTTCAGGAAGCTGAAAGCGATGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001008761

Insert Size: 1371 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_001008761.1](#), [NP_001008761.1](#)
RefSeq Size: 1371 bp
RefSeq ORF: 1371 bp
Locus ID: 360625
UniProt ID: [Q6IFW5](#)
Cytogenetics: 10q31
Gene Summary: May play a unique role in maintaining the normal corneal epithelial function. Together with KRT3, essential for the maintenance of corneal epithelium integrity (By similarity).
[UniProtKB/Swiss-Prot Function]