

Product datasheet for **RC237184**

KRT23 (NM_001282433) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: KRT23 (NM_001282433) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: KRT23
Synonyms: CK23; HAIK1; K23
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237184 representing NM_001282433
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCAATGCTCAGATTATTCTTCTCATTGACAATGCCAGGATGGCAGTGGATGACTTCAACCTCAAGT
ATGAAAAATGAACACTCCTTTAAGAAAGACTTGGAAATGAAGTCGAGGGCCTCCGAAGGACCTTAGACAA
CCTGACCATTGTCACAACAGACCTAGAACAGGAGGTGGAAGGAATGAGGAAAGAGCTCATTCTCATGAAG
AAGCACCATGAGCAGGAAATGGAGAAGCATCATGTGCCAAGTGACTTCAATGTCAATGTGAAGGTGGATA
CAGGTCCCAGGGAAGATCTGATTAAGGTCTGGAGGATATGAGACAAGAATATGAGCTTATAATAAAGAA
GAAGCATCGAGACTTGGACACTTGGTATAAAGAACAGTCTGCAGCCATGTCCAGGAGGCAGCCAGTCCA
GCCACTGTGCAGAGCAGACAAGGTGACATCCACGAACTGAAGCGCACATTCCAGGCCCTGGAGATTGACC
TGCAGACACAGTACAGCACGAAATCTGCTTTGGAAAACATGTTATCCGAGACCCAGTCTCGGTACTCCTG
CAAGCTCCAGGACATGCAAGAGATCATCTCCACTATGAGGAGGAAGTACGCAGCTACGCCATGAAGTGC
GAGCGGCAGAACAAATGAATACCAAGTGTGCTGGGCATCAAACCCACCTGGAGAAGGAAATCACCACGT
ACCGCGGCTCCTGGAGGGAGAGTGAAGGGACACGGGAAGAATCAAAGTCGAGCATGAAAGTGTCTGC
AACTCCAAAGATCAAGGCCATAACCCAGGAGACCATCAACGGAAGATTAGTTCCTTTGTCAAGTGAATGAA
ATCCAAAAGCACGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237184 representing NM_001282433
 Red=Cloning site Green=Tags(s)

MTNAQIILLIDNARMAVDDFNLYENEHSFKKDLEIEVEGLRRTLDNLTIVTTDLEQEVEGMRKELILMK
 KHHEQEMEKHHVPSDFNVNVKVDTPREDLIKVLEDMRQEYELIIKKKHRDLDTWYKEQSAAMSQEASP
 ATVQSRQGDIELKRTFQALEIDLQTQYSTKSALENMLSETQSRYSCKLQDMQEII SHYEEELTQLRHEL
 ERQÑNEYQVLLGIKTHLEKEITTYRRLLEGESEGTREESKSSMKVSATPKIKAITQETINGRLVLCQVNE
 IQKHA

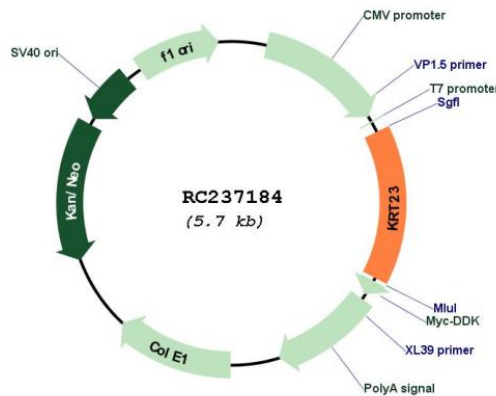
TRTRP**LEQKLISEEDLA**NDILDYKDDDDK**V**

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282433

ORF Size: 855 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:	<ol style="list-style-type: none">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_001282433.2
RefSeq Size:	1700 bp
RefSeq ORF:	858 bp
Locus ID:	25984
UniProt ID:	Q9C075
Cytogenetics:	17q21.2
MW:	33.8 kDa
Gene Summary:	The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. The type I cytokeratin genes are clustered in a region of chromosome 17q12-q21. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]