

## Product datasheet for **RG237184**

### **KRT23 (NM\_001282433) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KRT23 (NM_001282433) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KRT23
Synonyms:	CK23; HAIK1; K23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237184 representing NM_001282433. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCAATGCTCAGATTATTCTTCTCATTGACAATGCCAGGATGGCAGTGGATGACTTCAACCTCAAG
TATGAAAATGAACACTCCTTTAAGAAAGACTTGGAAATTGAAGTCGAGGGCCTCCGAAGGACCTTAGAC
AACCTGACCATTGTCACAACAGACCTAGAACAGGAGGTGGAAGGAATGAGGAAAGAGCTCATTCTCATG
AAGAAGCACCATGAGCAGGAAATGGAGAAGCATCATGTGCCAAGTGACTTCAATGTCAATGTGAAGGTG
GATACAGGTCCCAGGGAAGATCTGATTAAGTCTGGAGGATATGAGACAAGAATATGAGCTTATAATA
AAGAAGAAGCATCGAGACTTGGACACTTGGTATAAAGAACAGTCTGCAGCCATGTCCAGGAGGCAGCC
AGTCCAGCCACTGTGCAGAGCAGACAAGGTGACATCCACGAACTGAAGCGCACATTCCAGGCCCTGGAG
ATTGACCTGCAGACACAGTACAGCACGAAATCTGCTTTGGAAAACATGTTATCCGAGACCCAGTCTCGG
TACTCCTGCAAGCTCCAGGACATGCAAGAGATCATCTCCCACTATGAGGAGGAACTGACGCAGCTACGC
CATGAACTGGAGCGGCAGAACAAATGAATACCAAGTGTCTGCTGGGCATCAAACCCACCTGGAGAAGGAA
ATCACCACGTACCGAGCGCTCCTGGAGGGAGAGAGTGAAGGGACACGGGAAGAATCAAAGTCGAGCATG
AAAGTGTCTGCAACTCAAAGATCAAGGCCATAACCCAGGAGACCATCAACGGAAGATTAGTCTTTGT
CAAGTGAATGAAATCCAAAAGCACGCA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237184  
 Blue=ORF Red=Cloning site Green=Tag(s)

MTNAQIILLIDNARMAVDDFNLYENEHSFKKDLEIEVEGLRRTLDNLTIVTTDLEQEVEGMRKELILM  
 KKHHEQEEMKHHVPSDFNVNVKVDTPREDLIKVLEDMRQEYELIIKKKHRDLDTWYKEQSAAMSQEAA  
 SPATVQSRQGDIELKRTFQALEIDLQTQYSTKSALENMLSETQSRYSCKLQDMQEIIISHYEEELTQLR  
 HELERQNNYQVLLGIKTHLEKEITTYRRLLEGESEGTREESKSSMKVSATPKIKAITQETINGRLVLC  
 QVNEIQKHA  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKAISHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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).

**RefSeq:** [NM\\_001282433.2](#)

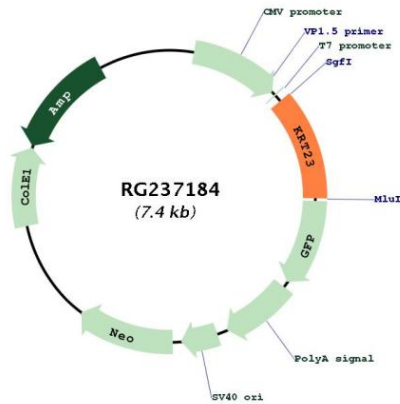
**RefSeq Size:** 1700 bp

**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]

**Product images:**



Circular map for RG237184