

Product datasheet for **RG216365**

KRT73 (NM_175068) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KRT73 (NM_175068) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KRT73
Synonyms:	CK-73; IRT6IRS3; K6IRS3; K73; KRT6IRS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG216365 representing NM_175068
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCCGCCAATTCACCTACAAGTCGGGAGCTGCTGCCAAGGGGGCTTCAGCGCTGCTCCGCTGTGC
 TCTCAGGGGGCAGCTCATCCTCCTACCGAGCAGGGGGCAAGGGCTCAGTGGAGGCTTCAGCAGTCGGAG
 CCTTTACAGCCTGGGGGTGCCCGGAGCATCTCTTTCAATGTGGCCAGTGGCAGTGGGTGGGCAGGAGGC
 TATGGATTGGCCGGGGCCGGCCAGTGGCTTTGCTGGCAGCATGTTTGGCAGTGTGGCCTTGGGGTCCG
 TGTGTCCGTGTTGTGCCCGCCGGGGTATCCATCAGGTCACCATCAACAAGAGCCTCCTGGCACCCCT
 GAACGTGGAGCTGGACCTGAAATCCAGAAAGTGCCTGCCAGGAGCGGGAGCAGATCAAGTGTGAAC
 AACAAAGTTCGCCTCCTTCATTGACAAGGTGCGGTTCTGGAGCAGCAGAACCAGGTGCTGGAGACCAAGT
 GGGAGCTGCTACAGCAGCTGGACCTGAACAAGTGAAGAATAACCTGGAGCCCATCCTTGAGGGCTACAT
 CAGCAACCTGCGGAAGCAGCTGGAGACGCTGTCTGGGACAGGGTGGAGCTGGACTCGGAGCTGAGGAGC
 GTGCGCGAAGTGGTGGAGGACTACAAGAAGAGGTATGAAGAAGAAATAACAAGCGCACAACCTGCTGAGA
 ATGAATTTGTTGGTGTAAAGAAGGACGTGGACGCAGCTTACACGAGCAAAGTGGAGCTGCAGGCCAAGGT
 GGATGCCCTGGATGGAGAAATCAAGTCTTCAAGTGTCTGTACGAGGGGGAGACTGCTCAGATCCAGTCC
 CACATCAGCGACAGTCCATCATCTGTCCATGGACAACAACCGAACCTGGACCTGGACAGCATCATTG
 CTGAGGTCCGTGCCAGTATGAGGAGATCGCCCGAAGAGCAAGGCCGAGGCCGAGGCCCTGTACCAGAC
 CAAGTTCAGGAGCTGCAGCTAGCAGCCGGCCGGCATGGGATGACCTGAAACACACCAAAAATGAGATC
 TCAGAGCTGACCCGTCTCATCAAAGACTGCGCTCGGAGATTGAGAGTGTGAAGAAGCAGTGTGCCAAC
 TGGAGCGGCCATCGCTGACGCCGAGCAGCGGGGGACTGTGCCCTCAAGGATGCCAGGGCCAAGTGGGA
 TGAGCTGGAGGGCGCCCTGCAGCAGGCCAAGGAGGACTGGCACGGATGCTGCGCGAGTACCAAGAGCTT
 TTGAGCGTGAAGCTGTCCCTGGATATTGAGATCGCCACCTACCGCAAGCTGCTGGAGGGCGAGGAGTGCA
 GGATGTCCGAGAATATACCAACTCCGTGAGCATTTCGGTTCATCAACAGCTCCATGGCCGGGATGGCAGG
 CACAGGGGCTGGCTTTGGATTGAGCAATGCTGGCACCTACGGCTACTGGCCAGCTCTGTGAGCGGGGGC
 TACAGCATGCTGCCTGGGGGCTGTGCTACTGGCAGTGGGAACTGTAGCCCCGTGGGGAAGCCAGGACCA
 GGCTGGGAGTGAAGTGAATTCAGGGACTCCAGGGAAAGACCTTAGCTCTAAGCTCACCACCAAAAA
 AACCATGAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG216365 representing NM_175068
 Red=Cloning site Green=Tags(s)

MSRQFTYKSGAAKGGFSGCSAVLSGGSSSYRAGGKGLSGGFSSRSLYSLGGARISFNVASGSGWAGG
 YGFRGRASGFAGSMFGSVALGSVCPSLCPPGGIHQVTINKSLLAPLNVELDPEIQKVRQEREQIKVLN
 NKFASFIDKVRFLQNNQVLETKWELLQQLDLNCKNNLEPILEGYISNLRKQLETLSGDRVRLDSELRS
 VREVVEDYKKRYEEEINKRTTAENEFVVLKKDVAAYTSKVELQAKVDALDGEIKFFKCLYEGETAQIQS
 HISDTSIILSMDNRRNLDLSIIAEVRAQYEEIARKSKAEAEALYQTKFQELQLAAGRHDLDLKHKTNEI
 SELTRLIQRLRSEIESVKKQCANLETAIADAEQRGDCALKDARAKLDELEGALQQAKEELARMLREYQEL
 LSVKLSLDIEIATYRKLLEGEECRMSGEYTNVSISVINSSMAGMAGTGAGFGFSNAGTYGYWPSVSGG
 YSMLPGGCVTSGNCSRGEARTRLSASEFRDSQGKTLALSSPTKKTMR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_175068

ORF Size: 1620 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:

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_175068.3](#)

RefSeq Size: 2323 bp

RefSeq ORF: 1623 bp

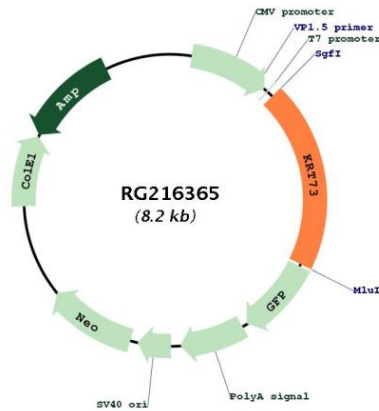
Locus ID: 319101

UniProt ID: [Q86Y46](#)

Cytogenetics: 12q13.13

Gene Summary: Keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into epithelial keratins and hair keratins. This gene encodes a protein that is expressed in the inner root sheath of hair follicles. The type II keratins are clustered in a region of chromosome 12q13.[provided by RefSeq, Jun 2009]

Product images:



Circular map for RG216365