

Product datasheet for **RC216849**

Keratin 38 (KRT38) (NM_006771) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Keratin 38 (KRT38) (NM_006771) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	KRT38
Synonyms:	HA8; hHa8; KRTHA8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>RC216849 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCTCTTCTACAGCAGCTCCTCATGCCCTCTGGGTTGCACCATGGCTCCTGGAGCAAGAAATGTCT
CTGTCTCTCCCATCGACATTGGGTGCCAGCCTGGGGCAGAGGCCAACATTGCCCCCATGTGCCTTTTGGC
CAACGTGGCACATGCCAACCCAGTCCGTGTGGGTCCACTCCCCTGGGCCGCCCAAGCCTCTGTCTGCCG
CCTACCTGCCACACTGCTTGTCCCTTGCCAGGGACCTGCCACATTCTGGCAACATTGGAATCTGTGGGG
CCTATGGTGAAAACACCCCTGAATGGCCATGAGAAGGAGACCATGCAGTTCCTGAATGACCGCCTGGCCAA
CTACCTGGAGAAGGTGCCACAGCTGGAGCAGGAGAATGCGGAGCTGGAGGCCACACTCCTCGAGAGGAGC
AAGTGCCACGAGTCCACCGTGTGCCCGACTACCAGTCTACTTCCACACCATCGAGGAGCTCCAACAGA
AGATCCTGTGCAGCAAGGCCGAGAATGCCAGGCTGATTGTACAAATTGACAATGCCAAGCTGGCTGCCGA
TGACTTTAGGATCAAGCTGGAGAGTGAGCGCTCCCTGCGCCAGCTGGTGGAGGCAGACAAGTGTGGGACA
CAGAAGCTCCTGGATGATGCGACCTGGCCAAGGCCGACCTGGAGGCCAGCAGGAGTCCCTGAAGGAGG
AGCAGCTCTCCCTCAAGAGCAACCACGAGCAGGAAGTAAAGATTCTGAGGAGTCACTGGGGGAGAGCT
CCGGATTGAGCTGGACATTGAGCCACCATGACCTGAACAGGGTCTGGGGGAGATGCGGGCTCAGTAT
GAGGCCATGTTGGAGACCAACCGCCAGGATGTGGAACAGTGGTCCAAGCCCAGTCTGAAGGCATCAGCC
TGCAGGACATGTCTGCTCCGAGGAGCTGCAGTGTGCCAGTCCGAGATCCTGGAGCTGAGATGCACGGT
GAATGCCCTGGAGGTGGAGCGCCAAGCCAGCACACCTTGAAGGACTGTCTGCAGAACTCCCTGTGTGAA
GCCGAGGACCGCTTCGGCACGGAGCTGGCCAGATGCAGAGCCTCATCAGCAACGTGGAGGAGCAGCTGT
CTGAGATCCGGGCCGACCTGGAGCGGCAAAACCAGGAGTACCAGTGTCTGCTGGACGTGAAGACCCGGCT
GGAGAATGAGATTGCCACGTACCGGAACCTTCTGGAAAGCGAGGACTGCAAACCTCCCTGCAATCCGTGC
TCCACGCCTCCCTCCTGCGTGACTGCCCTGTCTCCTCGCCAAGCTGTGGCCCTGCACCACCTGTG
GGCCACCTGTGGAGCCAGCACCACCGAAGCCGATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC216849 protein sequence
Red=Cloning site Green=Tags(s)

MTSSYSSSSCPLGCTMAPGARNVSVSPIDIGCQPGAEANIAPMCLLANVAHANRVRVSTPLGRPSLCLP
PTCHTACPLPGTCHIPGNIIGCGAYGENTLNGHEKETMQFLNDRLANYLEKVRQLEQENAELEATLLERS
KCHESTVCPDYQSYFHTIEELQQKILCSKAENARLIVQIDNAKLAADDFRIKLESESLRQLVEADKCGT
QKLLDDATLAKADLEAQQESLKEEQLSLKSNEQEVKILRSQLEKLRLELDIEPTIDLNRVLEGMRAQY
EAMLETNRQDVEQWFQAQSEGISLQDMSCSEELQCCQSEILELRCTVNALEVERQAQHTLKDCLQNSLCE
AEDRFTELAQMQLISNVEEQLSEIRADLERQNEQYQVLLDVKTRLENEIATYRNLLESEDCKLPCNPC
STPPSCVTAPCAPRPSGCPCTTCGPTCGASTTGSRF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6777_c11.zip

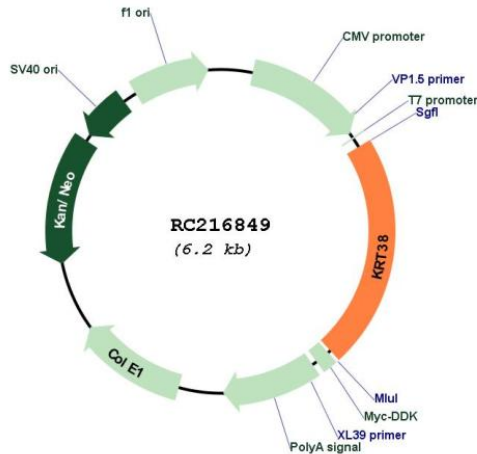
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_006771

ORF Size: 1368 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.

RefSeq: [NM_006771.2](#)

RefSeq Size: 2837 bp

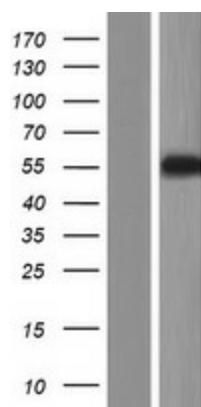
RefSeq ORF: 1371 bp

Locus ID: 8687

MW: 50.5 kDa

Gene Summary: The protein encoded by this gene is a member of the keratin gene family. As a type I hair keratin, it is an acidic protein which heterodimerizes with type II keratins to form hair and nails. The type I hair keratins are clustered in a region of chromosome 17q12-q21 and have the same direction of transcription. [provided by RefSeq, Jul 2008]

Product images:



Western blot validation of overexpression lysate (Cat# [LY416427]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216849 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).