

Product datasheet for **RG218691**

KRT35 (NM_002280) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KRT35 (NM_002280) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KRT35
Synonyms:	Ha-5; HA5; hHa5; K35; KRTHA5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG218691 representing NM_002280
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCTTCCAATGCCTCAAGGCCGGCTTCTCTTCTGGTCTCTCAAGAGCCAGGAGGGGCCAGTGGGG
 GCTCCACTCGTGTGCCCAATGACTCCAGCAGCTCTTGCAAGCTTCCAAGTCTCTCCCTGTGGCCAG
 AAGTTTCTCTGCCTGCTCAGTGGGTCTGGGCAGAAGCAGCTACAGGGCCACCAGCTGCCTCCCTGCTCTC
 TGCTCCCTGCTGGAGGCTTCGCTACCAGCTACAGTGGGGTGGGGGCTGGTTTGGGGAGGGCATCTCA
 CTGGCAATGAGAAGGAGACCATGCAATCCCTGAACGACCGCTGGCCGGCTACCTGGAGAAGGTGCGTCA
 GCTGGAGCAGGAGAACGCCAGCCTGGAGAGCCGCATCCGTGAGTGGTGTGAGCAGCAGGTCCCCTACATG
 TGCCCTGACTACCAGTCTACTCCGGACCATCGAGGAGCTCCAGAAGAAGACTCTATGCAGCAAGGCTG
 AGAATGCCAGGCTGGTGGTGGAGATTGACAATGCCAAATTGGCTGCAGATGACTTCAGGACCAAGTATGA
 GACGGAGGTGTCCTGCGGCAGCTGGTGGAGTCAGACATCAACGGCCTGCGCAGGATCCTGGATGACCTG
 ACCCTGTGCAAGTCTGACCTGGAGGCCAGGTGGAGTCCCTGAAGGAGGAGCTGCTCTGCCTGAAGAAGA
 ACCATGAGGAGGAAGTGAACACTGCGCTGCCAATTGGTGACCGCCTCAATGTTGAGGTGGACGCTGC
 CCCACCTGTTGACCTGAACCGAGTTCTGGAGGAGATGAGGTGCCAGTATGAAACCCTGGTGGAGAATAAC
 CGCCGGGATGCTGAAGACTGGTTGGACACCCAGAGTGAGGAGCTGAACCAGCAGGTGGTGTCCAGCTCAG
 AGCAGTTGCAGTCTGCCAGGCAGAGATCATCGAGCTGAGACGCACGGTCAACGCCCTGGAGATTGAGCT
 GCAGGCTCAGCACAGCATGAGAGATGCTTTGGAATCCACCCTGGCAGAGACGGAGGCCCGCTATAGCTCC
 CAGCTGGCCAGATGCAGTGCATGATCACCAACGTGGAGGCCAGCTGGCCGAGATCCGGGCTGACCTGG
 AGCGGCAGAACCCAGGAGTACCAGGTGCTGCTGGACGTCGGGGCCGGCTGGAGTGTGAGATCAACACGTA
 CCGGGGCTGCTGGAGAGTGAGGACAGCAAGCTCCCTGTAACCCATGTGCACCTGACTACTCACCTCC
 AAGTCATGCCTTCCCTGTCTTCTGCGGCTCCTGCGGTCTAGTGCAGCCCGCACAAACTGCAGCCCC
 GCCCATTTGTGTGCCCTGCCAGGGGGTGGTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG218691 representing NM_002280
 Red=Cloning site Green=Tags(s)

MASKCLKAGFSSGSLKSPGGASGGSTRVSAMYSSSSCKLPSLSPVARFSACSVGLGRSSYRATSCLPAL
 CLPAGGFATSYSGGGWFEGEILTGNEKETMQSLNDRLAGYLEKVRQLEQENASLESRIREWCEQQVPYM
 CPDYQSYFRTIEELQKKTLCSPAENARLVVEIDNAKLAADDFRTKYETEVSRLQLVESDINGLRRILDDL
 TLCKSDLEAQVESLKEELLCLKKNHEEEVNSLRCQLGDRLNVEVDAAPPVDLNRVLEEMRCQYETLVENN
 RRDAEDWLDTQSEELNQVVSSEQLQSCQAEIELRRTVNALEIELQAQHSMDALESTLAETEARYSS
 QLAQMOCMITNVEAQLAEIRADLERQNQEYQVLLDVRARLECEINTYRGLLESEDSKLPNCPCAPDYSPS
 KSCLPCLPAASCGPSAARTNCSRPICVPCPGGRF

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_002280

ORF Size: 1365 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_002280.4](#), [NP_002271.3](#)

RefSeq Size: 1688 bp

RefSeq ORF: 1368 bp

Locus ID: 3886

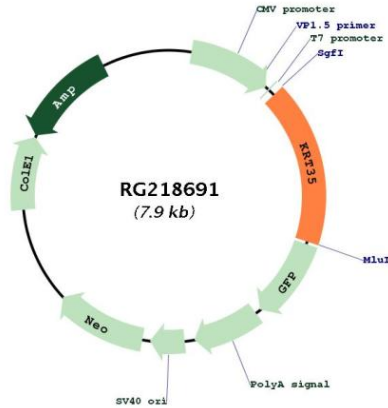
UniProt ID: [Q92764](#)

Cytogenetics: 17q21.2

Gene Summary:

The protein encoded by this gene is a member of the keratin gene family. This type I hair keratin 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:



Circular map for RG218691