

Product datasheet for **RG215463**

KRT6L (KRT79) (NM_175834) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	KRT6L
Synonyms:	K6L; KRT6L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG215463 representing NM_175834
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGGTCCTCCGTCCTCGGCAACATACTCCACAAAGGGGGCTTCAGCTCCAACCTCTGCCAGCGGAG
 GGAGTGGGTCCCAGGCCCGCACCAGCTTCAGCTCAGTGACGGTGTCTCGGAGCAGTGGCAGTGGTGGCGG
 GGCCCACTGTGGCCCCGGCACAGGTGGCTTTGGCAGCCGAAGCCTCTATAACTTGGGGGGCCACAAGAGT
 ATCTCTGTCACTGTGGCCGGAGGGGCTTGTGGGGCGGGCTCTGGGGGGCTTTGGCTTTGGCAGCAGGG
 CATTATATGGACAGGGGGCTGGCAGGCAGACGTTTGGGCTGCTTGTCTCTGGGGGATCCAGGAGGT
 CACTGTCAACCAGAGCCTGCTGACCCCTCCATGTGGAGATTGACCCCGAGATCCAGCGAGTGCACACT
 CAGGAGCGGGAGCAGATCAAGACCCTCAACAACAAGTTCGCCTCCTTCATCGACAAGGTGCGGTTCTTG
 AGCAACAGAATAAGGTGCTGGAGACCAAGTGGGCACTGCTGCAGGAGCAGGGCCAGAAGTGGGTGTAC
 CAGGAACAACCTGGAGCCCTCTTTAGGCCTACCTGGGTAGCATGCGGAGCACGCTGGACAGACTTCAG
 AGCGAGCGGGGAGGCTGGACTCAGAGCTCAGGAACGTGCAGGACCTTGTGGAGGACTTCAAGAACAAGT
 ACGAGGATGAAATCAACAAGCACACTGCTGCAGAGAAGCAGTGTGGTGTCTAAGAAGGATGTGGATGC
 AGCATACATGGGCCGATGGATCTGCATGGCAAGTGGGCACCTTGACCCAGGAGATTGACTTCTGCAG
 CAACTCTATGAAATGGAGCTGAGCCAAGTGCAGACCCACGTGTCTAACACCAATGTGGTGTCTCATATG
 ACAACAACCGCAACCTGGACCTGGACAGCATCATCGCCGAGGTCAAGGCCAGTATGAGCTGATTGCCCA
 GAGGAGCCGGGCTGAGGCCGAGGCTGGTACCAGACCAAGTATGAGGAGCTGCAGGTGACTGCTGGGAAG
 CATGGGACAACTGCGGGACACCAAGAAGCAGATTGCTGAGCTCACCCGCACTATCCAGAGGCTTCAGG
 GGGAGGCTGATGCAGCAAGAAGCAGTGTGAGCAGCTGCAGACGGCCATTGCGGAAGCGGAGCAGCGTGG
 GGAGCTGGCACTCAAGGATGCTCAGAAGAAGCTTGGGGATCTGGATGTGGCCCTGCACCAGGCCAAGGAG
 GACCTGACACGGCTGCTGCGTGAATACCAGGAGCTGATGAATGTCAAGCTGGCCCTGGACGTGGAGATTG
 CCACCTACCGCAAGCTTCTGGAGAGCGAGGAGCAGGATGTCTGGAGAATGTCCAGTGCAGTCAGCAT
 TTCTGTGACTGGCAACTCCACCACTGTGTGCGGAGGTGGCGCAGCCAGCTTTGGAGGTGGCATCTCCCTG
 GGTGGGAGTGGGGGGCCACCAAGGGTGGATTACGACACAAATGTGGGCTATAGCACCGTCAAGGGAGGGC
 CAGTCTCTGCGGGCACCTCCATCTGCGGAAGACCACTACGGTCAAGACGTCCAGCCAGAGGTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG215463 representing NM_175834
 Red=Cloning site Green=Tags(s)

MRSSVSRTYSTKGGFSSNSASGGSGSQARTSFSSVTVSRSSGSGGAHCGPGTGGFGSRSLYNLGGHKS
 ISVSVAGGALSGRALGGFGSGRAFMGQAGRQTFGPACPPGGIQEVTVNQSLLTPLHVEIDPEIQRVRT
 QEREQIKTLNKKFASFIDKVRFLQKQNVLETKWALLQEQQNLGVTRNNLEPLFEAYLGSMRSLDRLQ
 SERGRLDSELNRVQDLVEDFNKYEDEINKHTAENEFVVLKDDVDAAYMGRMDLHGKVGTLTQEIDFLQ
 QLYEMELSQQTHVSNTNVVLSDNNRNLDSLIAEVKAQYELIAQRSRAEAEAWYQTKYEELQVTAGK
 HGDNLRTDKNEIAELTRTIQRLQGEADAQKQCCQLQTAIAEAEQREGELALKDAQKLGDLVDALHQAKE
 DLTRLLRDYQELMNVKLALDVEIATYRKLLSEESRMSGECPSAVSISVTGNSTTVCGGGAASFGGGISL
 GGSGGATKGGFSTNVGYSTVKGPPVSAGTSILRKTITVKTSSQRY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175834

ORF Size: 1605 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.

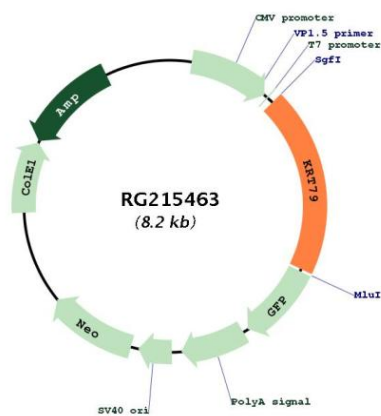
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_175834.2](#), [NP_787028.1](#)

RefSeq Size: 2144 bp

RefSeq ORF:	1608 bp
Locus ID:	338785
UniProt ID:	Q5XKE5
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 an epithelial keratin that is expressed in skeletal muscle, skin and scalp. The type II keratins are clustered in a region of chromosome 12q13.[provided by RefSeq, Jun 2009]

Product images:



Circular map for RG215463