

Product datasheet for **RG218986**

Cytokeratin 6C (KRT6C) (NM_173086) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Cytokeratin 6C
Synonyms:	K6E; KRT6E; PPKNEFD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG218986 representing NM_173086
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCAGCACATCCACCACCATCAGGAGCCACAGCAGCCGCCGGGTTTCAGTGCCAACTCAGCCA
GGCTCCCTGGGGTCAGCCGCTCTGGCTTCAGCAGCATCTCCGTGTCCCGCTCCAGGGGCACTGGTGGCCT
GGGTGGTGCATGTGGAGGAGCTGGCTTTGGCAGCCGAGCTCTGTATGGCCTGGGGGGCTCCAAGAGGATC
TCCATTGGAGGGGGCAGCTGTGCCATCAGTGCCGGCTATGGCAGCAGAGCCGGAGGCAGCTATGGCTTTG
GTGGCGCCGGGAGTGGATTGGTTTCGGTGGTGGAGCCGGCATTGGCTTTGGTCTGGGTGGTGGAGCCGG
CCTTGCTGGTGGCTTTGGGGGCCCTGGCTTCCCTGTGTGCCCCCTGGAGGCATCCAAGAGGTCAACGTC
AACCAGAGTCTCCTGACTCCCCTCAACCTGCAAAATTGACCCGCCATCCAGCGGTGCGGGCCGAGGAGC
GTGAGCAGATCAAGACCCTCAACAACAAGTTTGCCTCCTTCATCGACAAGGTGCAGTTCCTAGAGCAGCA
GAACAAGTTCTGGACCAAGTGGACCCTGCTGCAGGAGCAGGGACCAAGACTGTGAGGCAGAACCTG
GAGCCGTTGTCGAGCAGTACATCAACAACCTCAGGAGGCAGCTGGACAGCATCGTCGGGGAACGGGGCC
GCCTGGACTCGGAGCTGAGAAACATGCAGGACCTGGTGGAGGACCTCAAGAACAAATATGAGGATGAAAT
CAACAAGCGCACAGCAGCAGAGAATGAATTTGTACTCTGAAGAAGGATGTGGATGCTGCCTACATGAAC
AAGTTGAACTGCAAGCCAAGGCAGACACTCTCACAGATGAGATCAACTTCCTGAGAGCCTTGATGATG
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CCTGGACCTGGACAGCATCATCGCTGAGGTCAAGGCCCAATACGAGGAGATTGCTCAGAGGAGCCGGGCT
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TGTCAGAAGCAGTGTGCCAGCTGCAGGCTGCCATTGCTGATGCTGAGCAGCGTGGGGAGATGGCACTC
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GCTGCTGGAGGGCAGGAGTGCAGGCTGAATGGCAAGGCGTTGGACAAGTCAACGTCTCTGTAGTACAG
TCCACCATCTCCAGTGGCTATGGCGGTGCCAGCGGTGTCGGCAGTGGCTTAGGCCTGGGTGGAGGAAGCA
GCTACTCTATGGCAGTGGTCTTGGCATTGGAGGTGGCTTCAGTTCAGCAGTGGCAGAGCCATTGGGGG
TGGCCTCAGCTCTGTTGGAGGCGGCAGTTCACCACCAAGTACACCACCACCTCCTCTCCAGCAGGAAG
AGCTACAAGCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

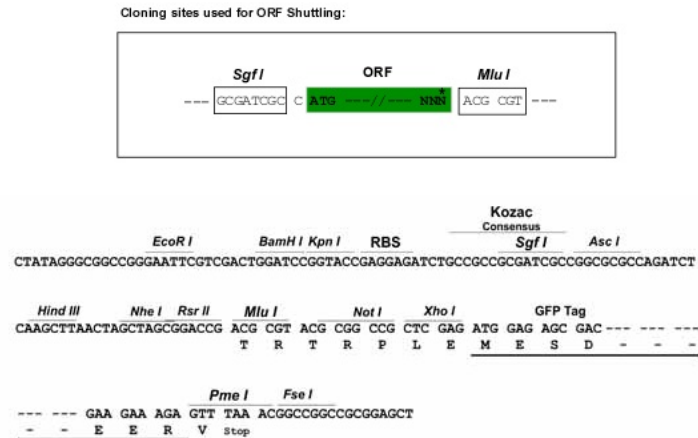
Protein Sequence: >RG218986 representing NM_173086
Red=Cloning site Green=Tags(s)

MASTSTTIRSHSSRRGFSANSARLPGVSRSGFSSISVSRSRGSGGLGGACGGAGFGSRSLYGLGGSKRI
SIGGGSCAISGGYGSRAAGSYGFGGAGSGFGGGGAGIGFGLGGGAGLAGGFGGPGFPVCPGGIQEVTV
NQSLLTPLNLQIDPAIQRVRAEEREQIKTLNNKFASFIDKVQFLEQQNKVLDTKWTLLEQGTCTVRQNL
EPLFEQYINNLRQLDSIVGERGRLDSELNMQDLVEDLKNKYEDEINKRTAAENEFVTLKKDVDAAYMN
KVELQAKADTLTDEINFLRALYDAELSQMQTHISDTSVVLSDNNRNLDLDSIIAEVKAQYEEIAQRSRA
EASWYQTKYEELQVTAGRHGDDLNTKQEI AEINRMIQRLRSEIDHVKKQCASLQAAIADAEQRGEMAL
KDAKNKLEGLDALQKAKQDLARLLKEYQELMNVKLALDVEIATYRKLLLEGEECRNLNGEGVGQVNVSVVQ
STISSGYGGASGVGSLGLGGSSSYSGSLGIGGGFSSSSGRAIGGGLSSVGGGSSTIKYTTTSSSRK
SYKH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173086

ORF Size: 1692 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.

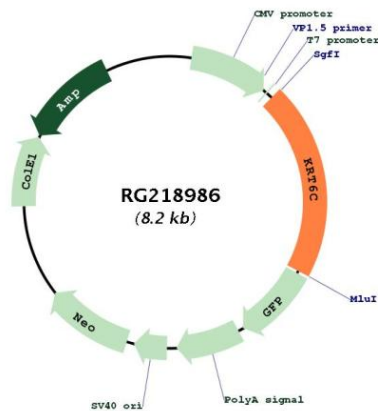
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_173086.2](#), [NP_775109.1](#)

RefSeq Size: 1986 bp

RefSeq ORF:	1695 bp
Locus ID:	286887
UniProt ID:	P48668
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. The type II keratins are clustered in a region of chromosome 12q13. [provided by RefSeq, Jul 2009]

Product images:



Circular map for RG218986