

Product datasheet for **RG211890**

KRT71 (NM_033448) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KRT71 (NM_033448) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KRT71
Synonyms:	HYPT13; K6IRS1; KRT6IRS; KRT6IRS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG211890 representing NM_033448
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCGCCAATTCACCTGCAAGTCGGGAGCTGCCGCCAAGGGGGCTTCAGTGGCTGCTCAGCTGTGC
 TCTCAGGGGGCAGCTCATCCTCCTTCCGGGCAGGGAGCAAAGGGCTCAGTGGGGCTTTGGCAGCCGGAG
 CCTCTACAGCCTGGGGGTGTCCGGAGCCTCAATGTGGCCAGTGGCAGCGGGAAGAGTGGAGGCTATGGA
 TTTGGCCGGGGCCGGCCAGTGGCTTTGCTGGAAGCATGTTTGGCAGTGTGGCCCTGGGGCTGTGTGCC
 CAACTGTATGCCACCTGGAGGCATCCACCAGTTACCGTCAATGAGAGCCTCCTGGCCCCCTCAACGT
 GGAGCTGGACCCCGAGATCCAGAAAGTGCCTGCCAGGAGCGAGAGCAGATCAAGGCTCTGAACAACAAG
 TTCGCTCCTTCATCGACAAGGTGCGGTTCTGGAGCAGCAGAACCAGGTAAGGAGACCAAGTGGGAGC
 TGCTGCAGCAGCTGGACCTGAACAACCTGCAAGAACAACCTGGAGCCCATCTCGAGGGCTACATCAGCAA
 CCTGCGGAAGCAGCTGGAGACGCTGTCTGGGGACAGGGTGAAGGCTGGACTCGGAGCTGAGGAATGTCCGG
 GACGTAGTGGAGGACTACAAGAAGAGGTATGAGGAGGAAATCAACAAGCGGACAGCAGCAGAGAACGAGT
 TTGTGCTGCTCAAGAAGGATGTGGATGTGCTTACGCCAATAAGGTGGAAGTGCAGGCCAAGGTGGAATC
 CATGGACCAGGAGATCAAGTTCTTCAGGTGTCTTTGAAAGCCGAGATCACTCAGATCCAGTCCCACATC
 AGTGACATGTCTGTATCCTGTCCATGGACAACAACCGGAACCTAGACCTGGACAGCATCATTGACGAAG
 TCCGCACCCAGTATGAGGAGATTGCCTTGAAGAGTAAGGCCGAGGCTGAGGCCCTGTACCAGACCAAGTT
 CCAAGAGCTTCAGCTGGCAGCTGGCAGGCATGGGGACGACCTCAAAAACACCAAGAATGAAATCTCGGAG
 CTCCTCGGCTCATCCAGAGAATCCGCTCAGAGATCGAGAAGTGAAGAAGCAGGCTTCCAACCTGGAGA
 CAGCCATCGCTGATGCTGAGCAGCGGGGAGACAACGCCCTGAAGGATGCCGGGCCAAGCTGGACGAGT
 GGAGGGCCCTGCACCAGGCCAAGGAGGAGCTGGCGCGGATGCTGCGCGAGTACCAGGAGCTCATGAGC
 CTGAAGCTGGCCCTGGACATGGAGATCGCCACCTATCGCAAGCTACTGGAGAGCGAGGAGTGCAGGATGT
 CAGGAGAAATTCCTCCCTGTGAGCATCTCCATCATCAGCAGCACCAGTGGCGGAGTGTCTATGGCTT
 CCGGCCAGCATGGTCAGCGGTGGCTATGTGGCCAACAGCAGCAACTGCATCTCTGGAGTGTGCAGCGTG
 AGAGGGCGGGGAGGCAGGAGCCGGGCAGTGCCAACGATTACAAAGACACCCTAGGGAAGGGTCCAGCC
 TGAGTGCACCCTCAAGAAAACAGTCGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG211890 representing NM_033448
 Red=Cloning site Green=Tags(s)

MSRQFTCKSGAAAKGGFSGCSAVLSGGSSSSFRAGSKGLSGGFGRSLYSLGGVRSNLNVASGSGKSGGYG
 FGRGRASGFAGSMFGSVALGPVCPVCPGPIHQVTVNESLLAPLNVELDPEIQKVRQEREQIKALNNK
 FASFIDKVRFLQNNQVLETKWELLQQLDLNCKNNLEPILEGYISNLKQLETLSGDRVRLDSELRNVR
 DVVEDYKRYEEEEINKRTAAENEFVLLKKDVDAAYANKVELQAKVESMDQEIKFFRCLFEAEITQIQSHI
 SDMSVILSMDNRRNLDLDSIIDVVRTQYEEIALKSKAEAEALYQTKFQELQLAAGRHDLDLNTKNEISE
 LTRLIQRIRSEIENVKQASNLETAIADAEQRGDNALKDARAKLDELEGALHQAKEELARMLREYQELMS
 LKLALDMEIATYRKLLESEECRMSGFSPVSIISSTSGGSVYGFSPMSVSGGYVANSSNCISGVCSV
 RGGEGRSRGSANDYKDTLKGSSLSAPSKKTSR

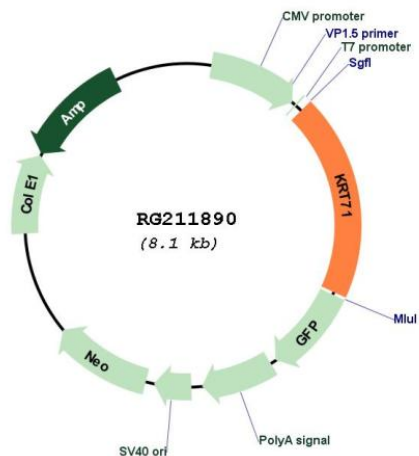
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:


Plasmid Map:


ACCN:	NM_033448
ORF Size:	1569 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:	<ol style="list-style-type: none">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_033448.3
RefSeq Size:	2255 bp
RefSeq ORF:	1572 bp
Locus ID:	112802
UniProt ID:	Q3SY84
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]