

Product datasheet for **RG207673**

KRT222P (KRT222) (NM_152349) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KRT222P (KRT222) (NM_152349) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KRT222P
Synonyms:	KA21; KRT222P
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207673 representing NM_152349 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGTGTCCAGCTACTCAATGAGATCAGGGCAAATATGAAAAGATCCTCACCAGAAATCAGATAG
 AGACGGTGCTCTCAACAAGGATCCAGCTAGAAGAAGACATAAGCAAAAAATGGACAAAGATGAAGAGGC
 TTTGAAGGCAGCTCAAGCAGAACTCAAGGAGGCCGACGCCAGTGGCACCACCTGCAAGTGGAAATTGAA
 TCTCTCCATGCTGTGAAAGGGCCTTAAAACTCCCTACATGCCAGCGAGCAGCATTACCAGATGCAGC
 TGCAAGACCTAGAGACTGTGATTGAAGGACTAGAAAAAGAGCTACAGGAAGTAAGGCGCGGCATCGAAAA
 GCAGCTTCAAGAGCACGAGATGCTTCTCAACACGAAGATGAGGCTGGAACAAGAAATAGCAACTTATCGC
 CACCTCCTAGAAAAAGAAGAAATCAGATATTATGTTGTATCCAAGGTGGGAAAAAGACAAAAAGCCTA
 CCACAAGTAGAGTTGGTTTTGTTTTACCATCAGCCATTATAAATGAAATATCTTTTACTACAAAAGTCCC
 ACAAAGTATGAGAATGAAATGTAGAAACAGTAACCAACAGGCAATCTTAAATGGGAGTATCGTTAAG
 GAGAGCACTGAAGCTCATGGCACTATTCAGACAGAGAAAGTGGATGAAGTTATTAAGAATGGGAAGGTT
 CTTTCTTTAAAGATAACCCTCGATTGAGGAAAAAGTCTGTTTCTTTCTCGATTGATCTTCATTTAGCAGC
 CACTGATGAAGGGTGTTTAGAGACTAAGCAGGATAATCTACCAGATATAGAAGTCAGGCTTATCATGAGA
 AGATCATGCAGTATTCCTCTATCAAACCTCCATCAACAGCTAAT

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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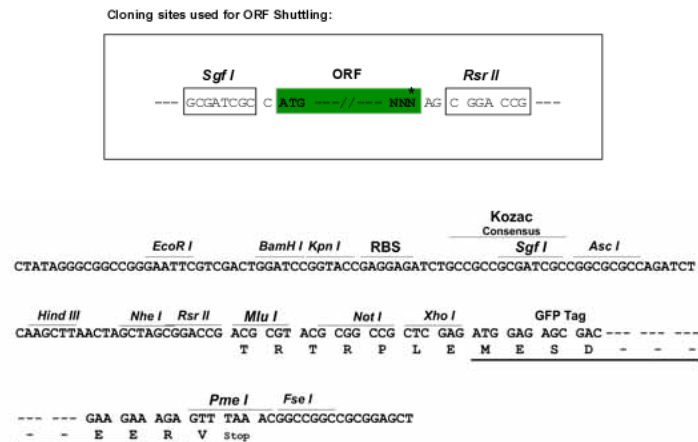
Protein Sequence: >RG207673 representing NM_152349
 Red=Cloning site Green=Tags(s)

MELSQLLNEIRANYEKILTRNQIETVLSTRIQLEEDISKMKDKDEEALKAAQAEKAEARRQWHHLQVEIE
 SLHAVERGLENSLHASEQHYQMQLQDLETVIEGLEKELQEVRRGIEKQLQEHEMLLNTKMRLEQEIATYR
 HLLKEEEIRYYGCIQGGKKDKKPTTSRVGFVLPSSAIINEISFTTKVPQKYENENVETVTQAILNGSIVK
 ESTEAHGTIQTEKVDVIKEWEGSFFKDNPRLRKKSLSLRFDLHLAATDEGCLETQDNLDPDIEVRLIMR
 RSCSIPSIKPPSTAN

SGPTRRRLE – GFP Tag – V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_152349

ORF Size: 885 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_152349.3](#)

RefSeq Size: 1735 bp

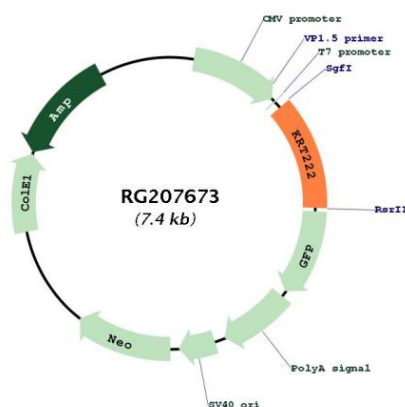
RefSeq ORF: 888 bp

Locus ID: 125113

UniProt ID: [Q8N1A0](#)

Cytogenetics: 17q21.2

Product images:



Circular map for RG207673