

Product datasheet for RC207673

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:	Myc-DDK
Symbol:	KRT222P
Synonyms:	KA21; KRT222P
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207673 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAAGTGTCCAGCTACTCAATGAGATCAGGGCAAATATGAAAAGATCCTCACCAGAAATCAGATAG
 AGACGGTGCTCTCAACAAGGATCCAGCTAGAAGAAGACATAAGCAAAAAATGGACAAAGATGAAGAGGC
 TTTGAAGGCAGCTCAAGCAGAACTCAAGGAGGCCGACGCCAGTGGCACCACCTGCAAGTGGAAATTGAA
 TCTCTCCATGCTGTGAAAGGGCCTTGAAAACCTCCCTACATGCCAGCGAGCAGCATTACCAGATGCAGC
 TGCAAGACCTAGAGACTGTGATTGAAGGACTAGAAAAGAGCTACAGGAAGTAAGGCGCGGCATCGAAAA
 GCAGCTTCAAGAGCACGAGATGCTTCTCAACACGAAGATGAGGCTGGAACAAGAAATAGCAACTTATCGC
 CACCTCTAGAAAAAGAAGAAATCAGATATTATGTTGTATCCAAGGTGGGAAAAAGACAAAAAGCCTA
 CCACAAGTAGAGTTGGTTTTGTTTTACCATCAGCCATTATAAATGAAATATCTTTTACTACAAAAGTCCC
 ACAAAGTATGAGAATGAAAATGTAGAAACAGTAACCAACAGGCAATCTTAAATGGGAGTATCGTTAAG
 GAGAGCACTGAAGCTCATGGCACTATTCAGACAGAGAAAGTGGATGAAGTTATTAAGAATGGGAAGGTT
 CTTTCTTTAAAGATAACCCTCGATTGAGGAAAAAGTCTGTTTCTTTCGATTGATCTTCATTTAGCAGC
 CACTGATGAAGGGTGTTTAGAGACTAAGCAGGATAATCTACCAGATATAGAAGTCAGGCTTATCATGAGA
 AGATCATGCAGTATTCCTCTATCAAACCTCCATCAACAGCTAAT

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC207673 protein sequence
 Red=Cloning site Green=Tags(s)

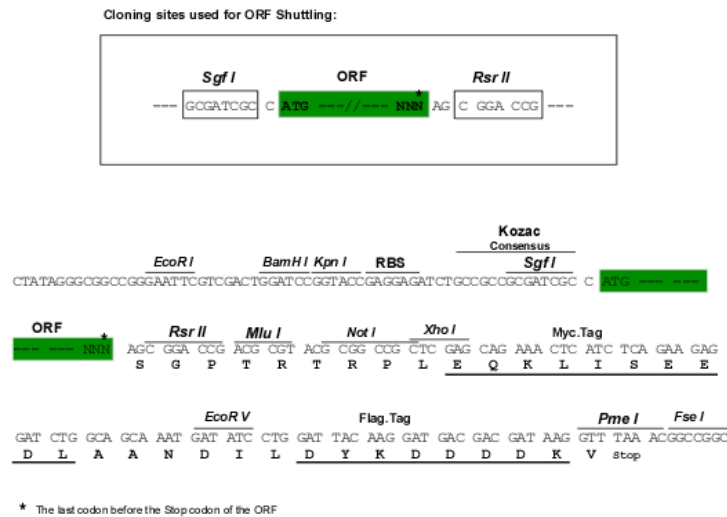
MELSQLLNEIRANYEKILTRNQIETVLSTRIQLEEDISKMKDKDEEALCAAQELKEARRQWHHLQVEIE
 SLHAVERGLENSLHASEQHYQMQLQDLETVIEGLEKELQEVRRGIEKQLQEHEMLLNTKMRLEQEIATYR
 HLLKEKEIRYYGCIQGGKKDKKPTTSRVGFVLPSPAIINEISFTTKVPQKYENENVETVTQAILNGSIVK
 ESTEAHGTIQTEKVDIVKEWEGSFFKDNPRLRKKSLSLRFDLHLAATDEGCLETQDNLPDIEVRLIMR
 RSCSIPSIKPPSTAN

SGP^{TR}TRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6615_h07.zip

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

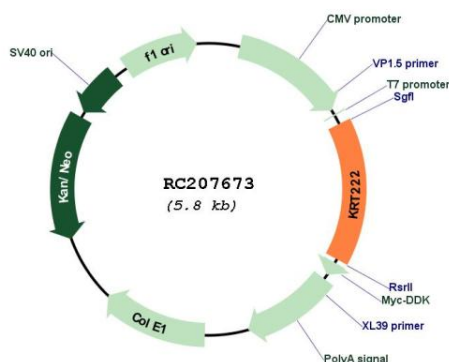
Locus ID: 125113

UniProt ID: [Q8N1A0](#)

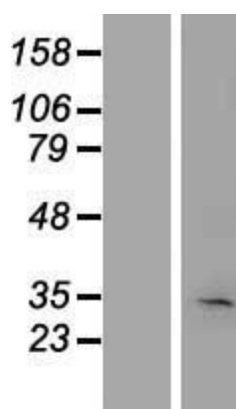
Cytogenetics: 17q21.2

MW: 34.2 kDa

Product images:



Circular map for RC207673



Western blot validation of overexpression lysate (Cat# [LY407599]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207673 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).