

Product datasheet for **RG220507**

KLHDC9 (NM_001007255) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: KLHDC9 (NM_001007255) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: KLHDC9
Synonyms: KARCA1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG220507 representing NM_001007255
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGTGGCCGTGCCCCGGGTGGGCGCAGGCTCAGGCTGGGCTGGAGGCCAGTGGCGGGGACG
 CGCTTTTGGCTAGAGCTTCCATTCATGCACCGAACTGCGGGGACGGTTCATCTCGTAGGTGGTCTCCT
 AGCAGGAGGAGCGAGAGAGCCAGCAGCGATACGGTGGTTTTCGACCCAGCTAGGGGCCAGGCCGTACGA
 TTGGGAGCCCGGGCAGCCCCCGCGCAGTCACCAGCAGCGGCCACCCGTGGACGGCGTTGGCTCTGCG
 TGGTGGGCGGCTGGGACGGTCTCGCCGCTTGGCCACAGTGACCGCACTGGACACAGAGCGCGGTGTGTG
 GGAGGCGTGGACAGGGACCCCTGGTGAATGCCCCCGCGGCCCTCAGTAGTCACACCTGCACCCGAATC
 TCTGACCGAGAGCTGCAGGTGGCTGGCCGGGAGGGCGGTATCCACACTCAGCGACGCTATGGAAGCATCT
 ACACATTAAGGCTGGACCCAGCGCCCGCACCTATTGCTACAAGCAAGAAGGCTGCCACACAGCCTCACG
 CTCAGGTCAGTGTGCGCCCTGCTCCAAACTCCTGACCCCATCCAGGTCATCAGCTATTGCTCTTTGGA
 GGTTGCAACTTAGCTGAACCAGAAGTAGCTGGCATTGGAGTCATGGGAAAATTAAGTCCTTTCTTTCTC
 CCCAAGGAGGAACCACCTGTTGCTCCTCATTTGATGGAACAGCTTGAAGGCTTGTGAGCAGTGGGCAGG
 GGTCCCAGAAGGGGCCCATGGACTACGGCATCACTCATGTTCTGTGGTGGGCCCTTTGCTGTGCTGTT
 TGGTGGAGAACTCTGACCAGAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG220507 representing NM_001007255
 Red=Cloning site Green=Tags(s)

MAVAVPPGRAAGSGWAWRPVARDALLARAFHSCTELRGRFYLVGGLLAGGAREPSSDVTVFDPARGQAVR
 LGARGSPPRSHHDAAPVDGRWLCVVGWDGSRRLATVTALDTERGVWEAWTGTGDCPPAGLSSHTCTRI
 SDRELQVAGREGGIHTQRRYGSYTLRLDPSARTYCYKQEGCHTASRSGHCAALLQTPGPHPGHQLLLFG
 GCNLAPEVAGHWSHGKIKSFLSPQGGTCCSSFDTACKACEQWAGVPEGAPWTTASLMFCGRALCCAV
 WWRNSDQS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001007255

ORF Size: 864 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.

RefSeq: [NM_001007255.3](#)

RefSeq Size: 1375 bp

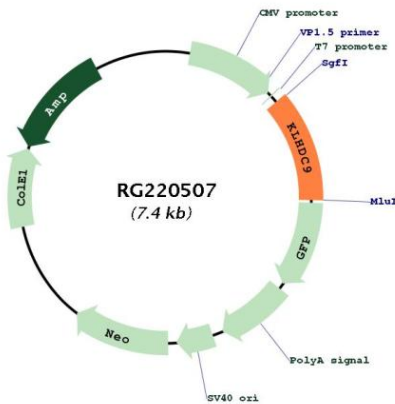
RefSeq ORF: 867 bp

Locus ID: 126823

UniProt ID: [Q8NEP7](#)

Cytogenetics: 1q23.3

Product images:



Circular map for RG220507