

Product datasheet for **RG218502**

KLHDC9 (NM_152366) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHDC9 (NM_152366) 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:	>RG218502 representing NM_152366 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCGGTGGCGGTGCCCGGGTGGGCCGCGAGGCTCAGGCTGGGCCTGGAGGCCAGTGGCGGGGACG
CGCTTTTGGCTAGAGCTTCCATTCATGCACCGAACTGCGGGGACGGTTCTATCTCGTAGGTGGTCTCCT
AGCAGGAGGAGCGAGAGAGCCCAGCAGCGATACGGTGGTTTTCGACCCAGCTAGGGGCCAGGCCGTACGA
TTGGGAGCCCGGGCAGCCCCCGCGCAGTCACCACGACGCGGCACCCGTGGACGGCGTTGGCTCTGCG
TGGTGGCGGCTGGGACGGGTCTCGCCGCTTGGCCACAGTGACCGCACTGGACACAGAGCGCGGTGTGTG
GGAGGCGTGGACAGGGACCCCTGGTGACTGCCCCCGCGCGCCTCAGTAGTCACACCTGCACCCGAATC
TCTGACCGAGAGCTGCAGGTGGCTGGCCGGGAGGGCGGTATCCACACTCAGCGACGCTATGGAAGCATCT
ACACATTAAGGCTGGACCCAGCGCCCGCACCTATTGCTACAAGCAAGAAGGCTGCCACACAGCCTCACG
CTCAGGTCACTGTGCGGCCCTGCTCCAACTCCTGGACCCCATCCAGGTCACTAGCTATTGCTCTTTGGA
GGTTGCACTTAGCTGAACCAGAAGTAGCTGGCATTGGAGTCATGGGAAATTAAGGAGGAACCACTG
TTGCTCCTCATTTGATGGAACAGCTTGAAGGCTTGTGAGCAGTGGGCAGGGTCCCAGAAGGGGCCCA
TGGACTACGGCATCACTCATGTTCTGTGGTGGGCCCTTTGCTGTGCTGTTTGGTGAGAACTCTGACC
AGAGCTAGAGACACCATCTGCAATGATCTCTACATCTATGATACTCGCACATCTCCTCTTTGTGGTTCC
ACTTCCCCTGTGCAGATCGTGGGATGAAACGCATGGGCCATCGCACCTGCCTTTGGAATGATCAGCTTTA
CCTGGTTGGGGTTTTGGTGAGGATGGCAGGACAGCCAGTCCACAGGTTTGCATCCTGGACTTTATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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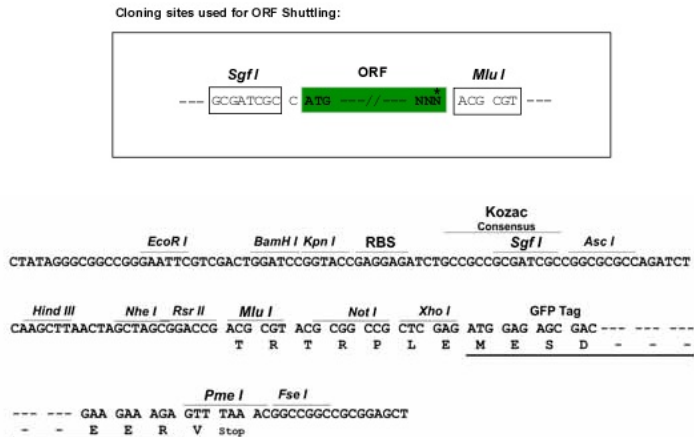
Protein Sequence: >RG218502 representing NM_152366
Red=Cloning site Green=Tags(s)

MAVAVPPGRAAGSGWAWRPVARDALLARAFHSCTELRGRFYLVGGLLAGGAREPSSDTPVFDPAAGQAVR
 LGARGSPPRSHHDAAPVDGRWLCVVGWDGSRRLATVTALDTERGVWEAWTGTGDCPPAGLSSHTCTRI
 SDRELQVAGREGGIHTQRRYGSYITRLDPSARTYCYKQEGCHTASRSGHCAALLQTPGPHPGHQLLLFG
 GCNLAEPEVAGHWSHGKIKEEPPVAPHLMEQLARLVSSGQGSQKGPGLRHHSCSVVGPFAVLFGGETLT
 RARDTICNDLYIYDTRTSPPLWFHFPCADRGMKRMGHRCLWNDQLYLVGFGGEDGRTASPQVCILDFI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152366

ORF Size: 1047 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_152366.5](#)

RefSeq Size: 1356 bp

RefSeq ORF: 1050 bp

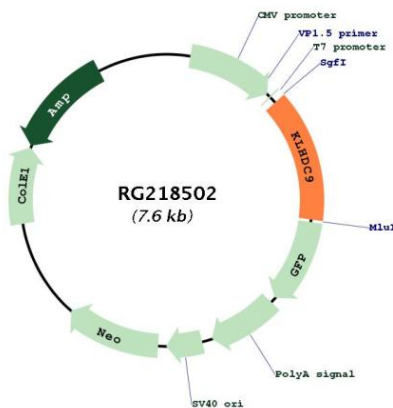
Locus ID: 126823

UniProt ID: [Q8NEP7](#)

Cytogenetics: 1q23.3

Domains: Kelch

Product images:



Circular map for RG218502