

Product datasheet for **MG220693**

Klhdc9 (NM_001033039) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Klhdc9 (NM_001033039) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Klhdc9
Synonyms: 1190002J23Rik; AA087357; ESTM31
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG220693 representing NM_001033039
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGGGGTGCAGCCCTCGGTCGAGCAAGAGGCTCAACCTGGACCTGGAGGCCAGTGGCGGAGACG
 TGCTTCTGGCTCGTGCCTTCCATTCATGCACGGAAGTGAAGGACGGTTCTATCTGGTAGGGGTCTCCT
 AGAAGGTGGTGAAGAGTGGCCAGCAACGACACTGTGATCTTTGACCCAGCTGTGGGCCAAGCGGTGCGA
 CTGGTAGCCCGAGGTAGTCCCTTCGCAGCCACCAGCAGCGGCACTGGTGGGAGGTCGTTGGCTCTGCG
 TGGTGGGTGGCTGGGACGGGTACGTCGCTTATCCACGGTGGCCGCGCTGGACACGGAGAGAGGGGTGTG
 GGAAGCATGGGCTGCGAACCTGGCAACTGCCCTCCTGCTGGCCTCAGCAGCCACACCTGCACTCGCCTC
 TCAGACGGGGAGCTGCGAGTGTCTGGCAGAGAGGGTGGTACCCACACTCAGCGACGCTACGGAAGCATCT
 ACACGTTAAAGTTGGACCACAGGACCCGAATTTATTGCTACAAAGAAGAAGGCTGCCACACAACCTCACG
 ATCAGGCCACTGTGCTGCCCTGCTGCCAAGTGGGCGCCACCCGGGTTCATCAGCTTTTGTCTTTGGG
 GGCTGCAACTCAGTTGGACCGGAGGTAGCAGGGCAATGGAGCCCTGGGAAAATCAAGGAGGAACAACCG
 TTGCCCTCATTGAGGGAACAGCTTGAAGGCTTGTGAGCAGTGGCAGGGACTGCAGCAAGGACCCCA
 GAGCCTGCGCCATCATTCTGTTCAGTGGTGGGACCCCTCGCTGTACTATTTGGCGGAGAAACTCTGACC
 AGAGCTAGAGATACGATCTGCAATGATCTCTACATCTACGATACCCGCAAGTCTCCGCTCTGTGGTTCC
 ACTTCCCAAGTACAGACCGTGGACTGAAGCGCGTGGGCCATCGGACTTGCCTTTGGAATGACCAGCTTTA
 TTTGTTGGGGTTTTGGTGAGGACGGCAGGACAGCTAGCCACAGGTTTGCATCCTGGAATTCCTCATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220693 representing NM_001033039
 Red=Cloning site Green=Tags(s)

MAGVQPLGRARGSTWTRPVARDVLLARAFHSCTELEGRFYLVGGLLEGGARVPSNDTVIFDPAVGGQAVR
 LVARGSPLRSHHDAALVGGRWLCVVGWGDGSRRLSTVAALDTERGVWEAWAANPGNCPAGLSSHTCTRL
 SDGELRVSGREGGTHTQRRYGSITYLTKLDHRTRTYCYKEEGCHTTSRSGHCAALLPTAGPHPGHQLLLFG
 GCNSVGPVAVAGQWSPGKIKEEQPVAPHLREQLARLVSSGQGLQQGPQSLRHHSCSVVGPFAVLFGGETLT
 RARDTICNDLYIYDRKSPPLWFHFPSTDRGLKRVGHRTCLWNDQLYLVGGFGEDGRTASPVQVCILEFFI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001033039

ORF Size: 1050 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_001033039.2](#), [NP_001028211.1](#)

RefSeq Size: 1555 bp

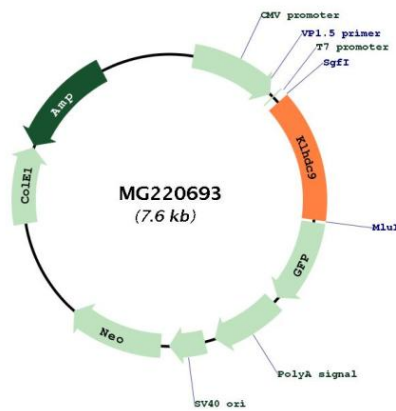
RefSeq ORF: 1053 bp

Locus ID: 68874

UniProt ID: [Q3USL1](#)

Cytogenetics: 1 79.36 cM

Product images:



Circular map for MG220693