

Product datasheet for **MG224272**

Klhdc1 (NM_178253) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klhdc1 (NM_178253) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Klhdc1
Synonyms:	MGC141300; MGC141301
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224272 representing NM_178253 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCGGACCCGAGGCGTTCTGCGTGGCCGAGGAGCGCAGCGGCCACTGCGCCGTGGTGGACGGACACT
TCCTCTACGTGTGGGGGGCTACGTGTCTATTGAAGACAATGAGGTATTTGCCAAATGATGAAATGTG
GACCTACGATATTGATAGTGGGCTGTGAAAAATGCACCTAATGGAAGGGAGCTCCCCCTCCATGTGC
GGAAGCTGCGGGCTTGATCCACGGAAGGCTCTATGTCTTTGGAGGCTATGACGACAAAGGATACAGCA
ACCGGCTTTACTTTGTCAATTTACGAACAAGAGATGGAACCTACACCTGGGAAAAATCACCAAGTTTGA
TGGACAACCACCCACACCACGTGATAAACTTTCTGCTGGGTATATAAAGACAGATTAATATATTTCCGGT
GGTTATGGGTACAGGAGGCACAGTGAGCTTCAAGAATGTTTTGATGTTTCATGATGCATCATGGGAAGAAC
AGATATTCTGGGGGTGGCACAATGACGTCCATGTGTTTGACACAAAGACGAGGACGTGGTCTCAACCAGA
AATTAAGGTGGAGTTCACCCACAGCCACGAGCCGCGCACTCATGTGCAGTTCTGGGAAATAAGGGTTAC
GTCTTTGGCGGACGTGTTTTGCAAACAGGATGAATGACCTACACTATCTAAACCTAGACACCTGGGTCT
GGTCTGGAAGGATTTCTGTTAATGGAGAAAGCCCCAAACACCGGTCATGGCACACTTTAACAGCAATAAC
TGATGATAAGCTTTCTATTTGGTGGACTAAATGCAGATAATTTCCACTAAGTGATGGCTGGATTTCAT
AATATAACAACAACTGTTGAAACAACCTAGACATTTACCGTACACAGGCCAGGTTATGGCACACAG
CCTGTCTGGGAAAAGAAAATGAAATAATGGTATTTGGTGGGAGCAAAGACAACCTTACTTTCTTGGATAC
AGGTCACTGTAATGATTTATTGATCTTTCAAACACAGCCCTATTCACTGCTCAGGTCATGTCTTGACTGC
ATTGGGAAAAATGCTATCATTTTAAAAAGTCAAATATCTTTATTACCTCCTAACTTCTGCAGCAAGTCC
TCAAAAAATAACATTTTGGACTGCAGCTAATTACCGAAAGGAGCAAAGAATCCGAAAGGAAGAGACAGA
AAATAATCAGCCGAGAGTCAGTAGCTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224272 representing NM_178253
 Red=Cloning site Green=Tags(s)

MADPQAFCAEERSGHCAVVDGHFLYVWGGYVSIEDNEVYLPNDEMWTYDIDSGLWKMHLMEGELPPSMS
 GSCGACIHGRLYVFGGYDDKGYSNRLYFVNLRTDGTYTWEKITKFDGQPPTPRDKLSCWVYKDRLIYFG
 GYGYRRHSELQECFDVHDASWEEQIFWGWHDVHVFDTKTRTWSQPEIKGGVPPQPRAAHSCAVLGNKGY
 VFGGRVLQTRMNDLHYLNLDTWVWSGRISVNGESPKHRSWHTLTAITDDKLFLFGGLNADNIPLSDGWIH
 NITTNCWKQLRHLPYTRPRLWHTACLGKENEIMVFGGSKDNLFLDTGHCNDLLIFQTQPYSLLRSLDC
 IGKNAIILKSQISLLPPKLLQQVLKKITFWTAANYRKEQIRKEETENNQPRVSSC

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_178253

ORF Size: 1218 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_178253.5, NP_839984.1

RefSeq Size: 1949 bp

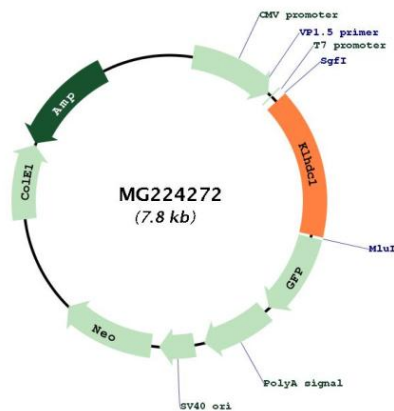
RefSeq ORF: 1221 bp

Locus ID: 271005

UniProt ID: Q80YG3

Cytogenetics: 12 C2

Product images:



Circular map for MG224272