

## Product datasheet for **RG230128**

### KLHDC4 (NM\_001184854) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KLHDC4 (NM_001184854) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KLHDC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG230128 representing NM_001184854 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCAAGAAGGGCAAGAAGGAGAAGAAGGGCCGCGCGCGGAGAAGACGGCCGCCAAGATGGAGAAGA  
AGGTGTCTAAGCGCTCGCGGAAGGAGGAGACTTTTTGTATAACGAGCTCTATGTCTACAATACCAGAAA  
GGACACCTGGACCAAAGTTGACATCCCCAGTCCACCTCCGAGGCGCTGTGCTCACCAGGCGGTGGTAGTG  
CCTCAAGGTGGCGGACAGCTGTGGTCTTTGGAGGGGAGTTTGCCTCTCCAACGGAGAGCAGTTCTACC  
ACTACAAGGATCTCTGGGTCCTGCATTTGGCCACCAAGACTGGGAACAAGTCAAATCAACAGGCGGTCC  
TTCGGGTTCGAGTGGACATCGGATGGTGGCTGGAAGAGACAATTGATCCTGTTTGGTGGCTTCCATGAA  
AGTACACGGGATTACATCTACTACAACGACGTGTATGCCTTAATCTGGACACCTTCACATGGAGCAAGC  
TGTCCCCGTAGGGACGGGGCCACACCAGATCAGGCTGCCAGATGTCCGTCCTCCCCAGGGCGGCAT  
CGTCGTCTATGGGGTACTCGAAACAGAGAGTTAAGAAAGACGTGGACAAGGGCACACGGCACTCAGAC  
ATGTTCTGTGAAGCCAGAGGACGGAAGAGAAGACAAGTGGTGGTGGACTCGGATGAACCTTCGGGGG  
TCAAGCCACCCACGGTCTGGCTTTCCGTGGCCATGGCCCGAATCACCAGACTGTCTTCGGGGG  
TGCTGTGACGAGGAAGAGGAGGAGCCTGTGGGCGAGTTCTCAACGATCTGTACTTCTACGACGCC  
ACCAGGAACCGTTGGTTTGGGGACAGCTGAAGGGACCAAGTCTGAAAAGAAGAAACGCAGGCGGGGCA  
GAAAAGAGGAGCCGAAGGTGGTAGCAGGCCGGGTGTGGGGGAGCTGGCACCCAGGGGCCCTGTGCAGCT  
GGTCAAGGAGGTGGTGGCCGAGGATGGCACCGTGGTCAACATTAAAGCAGGTGCTCACCGCCAGGCTCG  
GCGGGGACGCCCCGTCTGAGGACGAAGACAGCCTTGGAGGAGCCGGCAGCCCCGCACCTGGGCCGTGTC  
CACGCTCCAACGCCATGTGGTGTGAAGCATGGGGTGTCTACGTCTATGGGGGATGTTTGGGCCGG  
CGACCGCCAGGTCAACCTCAGCGACTGCCTGGACTGCACAGGATGGAGGCGTGGAAAGGCTTG  
GTGGAGATGGACCCAGAACTCAGGAGTGGTGGAGGAGACGGACTCGGAAGAGGACAGTGAAGGAGTTG  
AGGGCGCCGAGGGTGGGTCGACGACGAAGACAGCGGAGAGGAGCGGTGCGGAGGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG230128 representing NM\_001184854  
Red=Cloning site Green=Tags(s)

MGKKGKKEKKGRGAEKTAAMEKKVSKRSRKEETFLYNELYVYNTRKDTWTKVDIPSPPPRRCAHQAVVV  
 PQGGGQLWVFGGEFASPNGEQFYHYKDLWVHLATKTWEQVKSTGGPSGRSGHRMVAWKRQLILFGGFHE  
 STRDYIYYNDVYAFNLDTFTWSKLSPSGTGPTPRSGCQMSVTPQGGIVVYGGYSKQRVKKDVKGTRHSD  
 MFLLKPEDGREDKVVWTRMNPSPGVKPTPRSGFSVAMAPNHQTLFFGGVCEEEEEESLSGEFFNDLYFYDA  
 TRNRWFEGQLKGPKSEKKRRRGRKEEPEGGSRPACGGAGTQGPVQLVKEVVAEDGTVVTIKQVLTAPGS  
 AQQPRSEDEDSLEEAGSPAPGPCPRSNAMLAVKHGVLVYVYGMFEAGDRQVTLSDLHCLDLHRMEAWKAL  
 VEMDPETQEWLEETDSEEDSEEVEGAEGGVDEDSGEEESGAED

TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001184854

**ORF Size:** 1389 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\\_001184854.2](#)

**RefSeq Size:** 1770 bp

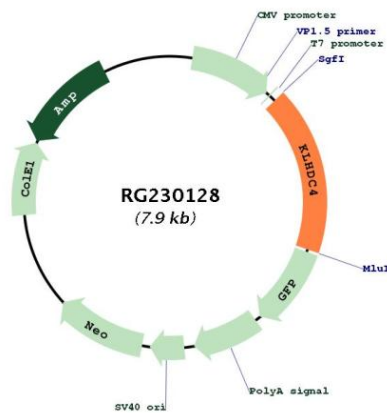
**RefSeq ORF:** 1392 bp

**Locus ID:** 54758

**UniProt ID:** [Q8TBB5](#)

**Cytogenetics:** 16q24.2

**Product images:**



Circular map for RG230128