

## Product datasheet for **RG206230**

### KLHDC10 (NM\_014997) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KLHDC10 (NM_014997) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KLHDC10
Synonyms:	slim
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206230 representing NM_014997 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGGCCGCCAGGGCTGGGACAGGAACCGCCGAGGGGAGGAGGCGCCGCCGGCGCTGGTGGCGGAG  
GTAGCGGGGCGCGGGGCGAGTGGGGCAGCGGGGTCGGGGGACTGGCCAGCTCAACCGCTTCGTGCA  
ACTCTCCGGGCGCCGACCTGCCAGGTAAGAAGAAAATACGATGGGACCCAGTTAGGAGGCGCTTCATT  
CAGTCCTGTCCCATCATAAGGATCCCTAACAGTTTTTTGAGAGGCCACAGACCTCCACCAGCACGAAGTG  
GACATCGTTGTGGCAGATAATACCACTATATGTGTTTGGAGTTATAACCCAGATTATGATGAATC  
GGGAGGGCCTGATAATGAAGACTATCCTCTTTCAGGAACTCTGGAGGTATCATTTTGCTACAGGAGTA  
TGGCACCAGATGGGCACAGATGGCTACATGCCCGGGAATTGGCATCTATGTCACCTGTGCTGCATGGAA  
ACAACCTGTTAGTATTTGGAGGTACGGGCATCCCATTTGGAGAGAGCAACGGCAATGACGTCATGTGTG  
TAATGTGAAGTATAAGAGATGGGCTTGTCTCAGCTGTCCGGGGAAGAAACCCAGTCGTATATATGGACAG  
GCTATGGCCATCATCAATGGCTCCCTTTATGTCTTTGGAGGTACAACCGGCTATATTTACAGCACAGACC  
TGCACAAGTTAGATCTCAATACCAGAGAGTGGACACAACCTGAAACCAACAACCTATCCTGTGATCTACC  
AGAAGAGAGATACCGACATGAAATTGCACATGACGGGCAGAGGATTTACATCTTGGGAGGTGGTACTTCC  
TGGACAGCATATTCCTTAAACAAGATCCATGCATACAACCTTGAACGAATGCCTGGGAGGAAATTGCAA  
CAAAACCCATGAAAAAATAGGCTTTCCTGCAGCCCGAAGGTGTCACAGTTGTGTTCAAATAAAAAATGA  
TGTATTTATTTGTGGGGCTATAATGGAGAGGTGATCCTGGGAGATATCTGGAAGTTGAATCTGCAGACT  
TTCCAATGGGTGAAGCTCCAGCTACCATGCCAGAGCCAGTTTATTTTCACTGTGCAGCTGTTACACCAG  
CTGTTGCATGTACATTCATGGAGGAGTGGTGAACATCCATGAAAACAAACGGACTGGGTATTGTTAA  
GATCTGGTGGTGTACCTAGCCTGCTGGAACCTGGCATGGGAGAAGCTGCTTGCGGCCTCCCTAACCTT  
GCAAACCTCTCCGAACACAACCTTCTGCACCTGGACTCACACAGGGACTCATCGAACGCTTGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG206230 representing NM\_014997  
Red=Cloning site Green=Tags(s)

MSAAQGWDRNRRRGGGAAGAGGGGSGAGGGSGGSGGRGTGQLNRFVQLSGRPHLPGKKKIRWDPVRRRFI  
 QSCPIIRIPNRLRGHRPPPARSGHRCVADNTNLYVFGGYNPDYDESGGPDNEDYPLFRELWRYHFATGV  
 WHQMGTGDMYPRELASMVSLVHGNLLVFGGTGIPFGESNGNDVHVCNVKYKRWALLSCRGKKPSRIYGO  
 AMAIINGSLYVFGGTTGYIYSTDLHKLDLNTREWTQLKPNLSCDLPEERYRHEIAHDGQRIYIILGGGTS  
 WTAYSLNKIHAYNLETNAWEEIATKPHEKIGFPAARRCHSCVQIKNDVFCGGYNGEVILGDIWKLNLQT  
 FQWVKLPATMPEPVYFHCAAVTPAGCMYIHGGVNIHENKRTGSLFKIWLVPVSLLELAWEKLLAAFPNL  
 ANLSRTQLLHLGLTQGLIERLK

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_014997

**ORF Size:** 1326 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\\_014997.4](#)

**RefSeq Size:** 6438 bp

**RefSeq ORF:** 1329 bp

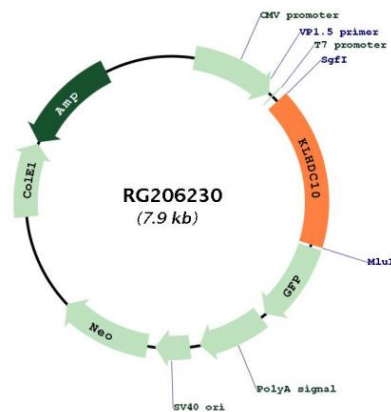
**Locus ID:** 23008

**UniProt ID:** [Q6PID8](#)

**Cytogenetics:** 7q32.2

**Gene Summary:** Participates in the oxidative stress-induced cell death through MAP3K5 activation. Inhibits PPP5C phosphatase activity on MAP3K5.[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RG206230