

## Product datasheet for **RG206706**

### KLHDC8B (NM\_173546) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** KLHDC8B (NM\_173546) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** KLHDC8B  
**Synonyms:** CHL  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG206706 representing NM\_173546  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCCGGATCGCC

ATGTCTGCAGGAGGTGGCCGGCCCTTTGCTTGGCAAGTGTCCCCCATGCCCACTTGCCGGTCTATG  
GCACAGTGGCACACCAAGATGGGCACCTGCTGGTGTGGGGGTGTGGCCGGCTGGACTGCCCTGGA  
CACTGCTGAGACTGGACATGGCCTCGCACACATGGCTGGCACTGGCACCCCTGCCACTGCCCGGCT  
GGTGCAGCTGCGGTAGTCTGGCAAGCAGGTGCTAGTGGTGGTGGTGGATGAGGTCCAGAGCCCGG  
TAGCTGCTGTAGAGCCCTCCTGATGGATGAGGGCCGCTGGGAGCGTCGGCCACCCTCCCTCAAGCAGC  
CATGGGGTTGCAACTGTGGAGAGAGATGGTATGGTGTATGCTCTGGGGGAATGGGCCCTGACACGGCC  
CCCCAGGCCAGGTACGTGTGTATGAGCCCGTCGGGACTGCTGGCTTTCGCTACCTCCATGCCACAC  
CCTGCTATGGGCCTCCACCTTCTGCACGGGAACAAGATCTATGCTGGGGGGCCGCCAGGGCAAGCT  
CCCGGTGACTGCTTTGAAGCCTTTGATCTGGAGGCCGTACATGGACCCGGCATCCAAGCTACCCAGC  
CGTCGGCCCTTTGCTGGCTGCGCCATGGCTGAAGGCAGCGCTTTAGCCTGGGTGGCCTGCAGCAGCCTG  
GGCCCCAACCTTCTACTCTCGCCACACTTTGTCAACTGTGGAGATGTTGACCTGGAGCATGGGTC  
CTGGACAAAATTGCCCGCAGCCTGCGCATGAGGGATAAGAGGGCAGACTTTGTGGTGGTCCCTTGGG  
GGCCACATTGTGGCATTGGGGCCTTGGAAACCAGCCATGTCCTTTGGGCTCTGTGGAGAGCTTTAGCC  
TTGCACGGCGGCGCTGGGAGGCATTGCCTGCCATGCCCACTGCCCGCTGCTCTGCTAGTCTGCAGGC  
TGGGCCCGGCTGTTTGTATTGGGGGTGTGGCCAGGGCCCCAGTCAAGCCGTGGAGGCACTGTGTCTG  
CGTGATGGGGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG206706 representing NM\_173546  
 Red=Cloning site Green=Tags(s)

MSAGGGRAFAWQVFPMPPTCRVYGTVAHQDGHLLVLGGCGRAGLPLDTAETLDMASHTWLALAPLPTARA  
 GAAAVVLGKQVLVYGGVDEVQSPVAAVEAFLMDEGRWERRATLPQAAMGVATVERDGMVYALGGMPDPTA  
 PQAQVRVYEP RRDCWLSLPSMPTPCYGAFTFLHGNKIYVLGGRQKLPVTAFAFDLEARTWTRHPSLPS  
 RRAFAGCAMAEGSVFSLGGLQQPGPHNFYSRPHFVNTVEMFDLEHGSWTKLPRSLRMRDKRADFVVGSLG  
 GHIVAIGGLGNQPCPLGSVESFSLARRRWEALPAMPTARCSCSSLQAGPRLFVIGGVAQGPSQAVEALCL  
 RDGV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_173546

**ORF Size:** 1062 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\\_173546.3](#)

**RefSeq Size:** 1999 bp

**RefSeq ORF:** 1065 bp

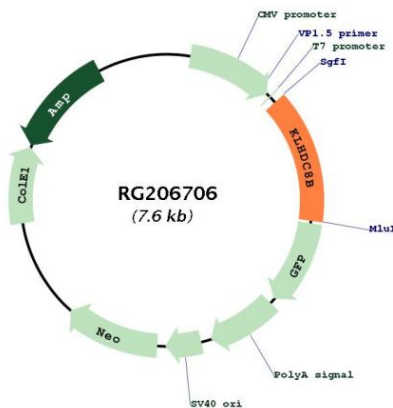
**Locus ID:** 200942

**UniProt ID:** [Q8IXV7](#)

**Cytogenetics:** 3p21.31

**Gene Summary:** This gene encodes a protein which forms a distinct beta-propeller protein structure of kelch domains allowing for protein-protein interactions. Mutations in this gene have been associated with Hodgkin lymphoma. [provided by RefSeq, Sep 2010]

## Product images:



Circular map for RG206706