

Product datasheet for **RG205776**

KLHDC4 (NM_017566) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KLHDC4 (NM_017566) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KLHDC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG205776 representing NM_017566
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGCAAGAAGGGCAAGAAGGAGAAGAAGGGCCGCGCGCGGAGAAGACGGCCCAAGATGGAGAAGA
 AGGTGTCTAAGCGCTCGCGGAAGGAGGAGAAGACCTGGAAGCGCTCATAGCCCATTTCCAGACACTCGA
 TGCCAAGAGGACTCAGACTGTGGAACCTCCGTGCCCCACCCTACCAAGGTTAAATGCCTCCCTCTCG
 GTTCATCTGAGAAAGATGAGTTAATCCTTTTTGGAGGTGAATATTTCAACGGCCAAAAAATTTTTTGT
 ATAACGAGCTCTATGTCTACAATACCAGAAAGGACACCTGGACAAAGTTGACATCCCCAGTCCACCTCC
 GAGGCGCTGTGCTCACCAGGCGGTGTAGTGCCTCAAGGTGGCGGACAGCTGTGGGTCTTTGGAGGGGAG
 TTTGCCTCTCCAACGGAGAGCAGTTCTACCACTACAAGGATCTCTGGGTCTGCATTTGGCCACCAAGA
 CCTGGGAACAAGTCAAATCAACAGGCGGTCTTCCGGTTCGGAGTGGACATCGGATGGTGGCTGGAAGAG
 ACAATTGATCCTGTTTGGTGGCTTCCATGAAAGTACACGGGATTACATCTACTACAACGAGCTGTATGCC
 TTTAATCTGGACACCTTACATGGAGCAAGCTGTCCCGTCAGGGACGGGGCCACACCCAGATCAGGCT
 GCCAGATGTCCTCACTCCCGAGGGCGGCATCGTCGTCTATGGGGCTACTCGAAACAGAGAGTTAAGAA
 AGACGTGGACAAGGGCACACGGCACTCAGACATGTTTCTGCTGAAGCCAGAGGACGGAAGAGAAGACAAG
 TGGGTTTGGACTCGGATGAACCTTCGGGGTCAAGCCACCCACGGTCTGGCTTTTCCGTGGCCATGG
 CCCCAGTACCAGACACTGTTCTTCGGGGTGTCTGTGACGAGGAAGAGGAGGAGCCTGTGGGCGA
 GTTCTTCAACGATCTGTACTTCTACGACGCCACCAGGAACCGTTGGTTTGGAGGACAGCTGAAGGGACCC
 AAGTCTGAAAAGAAGAAACGCAGGCGGGCAGAAAAGAGGAGCCCGAAGTGGTAGCAGGCCGGCGTGTG
 GGGGAGCTGGCACCCAGGGCCTGTGCAGCTGGTCAAGGAGGTGGTGGCCGAGGATGGCACCGTGGTAC
 CATTAAAGCAGGTGCTCACCGCGCCAGGCTCGGCGGGCAGCCCGGTCTGAGGACGAAGACAGCCTTGAG
 GAGGCCGCGAGCCCGCACCTGGCCGTGTCCACGCTCCAACGCCATGCTGGCTGTGAAGCATGGGTGC
 TCTACGCTATGGGGCATGTTTGGAGCCGGCAGCCAGGTCACCCTCAGCGACCTGCACTGCCTGGA
 CCTGCACAGGATGGAGCGTGGAAAGCCTTGGTGGAGATGGACCCAGAAACTCAGGAGTGGCTGGAGGAG
 ACGGACTCGGAAGAGGACAGTGAAGGTTGAGGGCGCCAGGGTGGGTGCGACGACGAAGACAGCGGAG
 AGGAGAGCGGTGCGGAGGAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG205776 representing NM_017566
 Red=Cloning site Green=Tags(s)

MGKKGKKEKKGRGAEKTAAMEKKVSKRSRKEEEDLEALIAHFQTLDAKRTQTVELPCPPSPRLNASLS
 VHPEKDELILFGGEYFNGQKTFLYNELVYVYNTKDTWTKVDIPSPPPRRCAHQAVVVPQGGGQLWVFGGE
 FASPNGEQFYHYKDLWVHLATKTWEQVKSTGGPSGRSGHRMVAWKRQLILFGGFHESTRDYIYYNDVYA
 FNLDFTWSKLSPSGTGPTPRSGCQMSVTPQGGIVVYGGYSKQRVKDVKDKGTRHSDMFLKPEDGREDK
 WWTRMNPSPGVKPTPRSGFSVAMAPNHQTLFFGGVCEEEEEESLSGEFFNDLYFYDATRNRWFEGQLKGP
 KSEKKRRRRRKEEPEGGSRPACGGAGTQGPVQLVKEVVAEDGTVVTIKQVLTAPGSAGQPRSEDEDSLE
 EAGSPAPGPCPRSNAMLAVKHGVLVYVYGMFEAGDRQVTLSDLHCLDLHRMEAWKALVEMDPETQEWFLEE
 TDSEEDSEVEGAEGGVDEDESGEESGAED

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_017566

ORF Size: 1560 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_017566.4](#)

RefSeq Size: 1888 bp

RefSeq ORF: 1563 bp

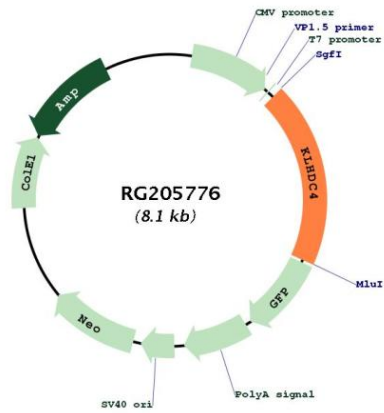
Locus ID: 54758

UniProt ID: [Q8TBB5](#)

Cytogenetics: 16q24.2

Domains: Kelch

Product images:



Circular map for RG205776