

Product datasheet for **RG213233**

KLHL32 (NM_052904) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	KLHL32
Synonyms:	BKLHD5; dJ21F7.1; KIAA1900; UG0030H05
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG213233 representing NM_052904
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCGTCTGAACGCTGCCTCAGTATTCAAGAAATGCTGACAGGCCAGAGGCTCTGCCACTCCGAATCTC
 ACAATGACAGTGTCTGGCAGCGCTGAATCAGCAGAGGAGTGATGGCATCCTCTGCGACATCACCTGAT
 TGCTGAGGAACAGAAATTCATGCTCACAAGGCAGTCTAGCAGCATGCAGTGAATTTCCGGGCAATG
 TTCAGTCTTTGTATGGTGGAAAGTGGAGCTGATGAGGTTAATTTGCACGGTGTGACCAAGCTTGGCTTAA
 AGCAGGCTCTGGAGTTTGCATACACAGGACAGATTTTCTGGAGCCAGGTGTGATCCAGGATGTGCTAGC
 AGCGGGCAGTCACCTACAGCTGTTGGAGCTTCTCAATTTATGCTCCCACTATCTCATCCAGGAATTAAT
 AGCTTTAATTAAGTGTGATCTGTACAGACTTGCTGACCTCTTAACCTCACTTTGTTGGAGAAGGCAGTGA
 TCGATTTCTAGTGAAACATCTCTGAACTCCTGAAGAGCCGCCAGAAGAAGTTCTAACGCTTCCCTA
 TTGCTGCTTCAGGAGGTGCTGAAGAGCGACCGCTGACCTCCCTGAGTGAAGAGCAGATCTGGCAGCTA
 GCTGTGAGGTGGTTGGAACACAAGTCCACTACAGTACATGGACGAGCTCCTGCAATACATCCGCTTTG
 GCCTAATGGATGTGGATACTCTCCATACAGTTGCCCTGTCCACCCCTTGTCCAAGCAAGTGAGACTGC
 AACAGCCCTGTCAACGAGGCCCTGGAATACCACAGAGCATCTATGCACAGCTGTCTGGCAGACTCGC
 AGGACCAAAACACGATTCAGTCAGACACTCTGTATATCATTGGTGGGAAAAAGCGGAGGTCTGCAAGG
 TCAAGGAACCTCGGTACTTCAATCCTGTTGATCAGGAGAATGCTCTCATAGCTGCCATTGCCAACTGGAG
 TGAGCTGGCTTCCATGCCTGTGGGAAGGAGCCACCATTGTGTGGCAGTCATGGGGGACTTCTGTTTGTG
 GCAGGAGGGGAAGTTGAGCATGCCAGTGGCCGACGTGTGCTGTGAGGACTGCCTGTCGCTATGACCCCC
 GCAGTAATTCCTGGCAGAGATAGCACCCATGAAAACTGCCGGGAGCATTTTGTGCTGGGTGCCATGGA
 GGAAATACCTCTATGCAGTTGGGGGCAGAAATGAACTGCGCCAGGTTCTGCCTACAGTTGAGCGATATTGC
 CCCAAGAAGAACAAATGGACTTTTGTTCAGTCTTTGACAGATCCCTTTTCATGCCATGCTGGATATGTGG
 CTGATGGTCTTCTTTGGATATCAGGTGGAGTAATAACGGCACAATATCAGAACAGGCTAATGGTGTA
 TGAACCTAACCAAGTAAGTGGATAAGCCGTAGCCCCATGCTGCAGAGAAGGGTCTACCATTCATGGCT
 GCTGTACAAAGGAAGCTTTATGTTCTTGGAGGCAATGACCTAGACTACAATAATGACCGGATCCTTGTGC
 GCCATATAGATTCTTACAACATAGACACTGACCAGTGGACACGTTGTAATTTCAACCTGCTGACTGGCCA
 AAATGAGTCTGGAGTTGCTGTCCATAATGGGAGAATATATTAGTTGGTGGATATTCAATTTGGACAAAT
 GAGCCTCTGGCTTGTATCCAGTACTGGATGTAAGCAGAGAAGGCAAGAAGAAGTATTCTATGGGCCTA
 CACTCCCTTTTGTCTCAATGGAATAGCAGCATGCTTCCTCCAGTCCATATTTTACATGCCCTAACCT
 TCAAACTCTTCAAGTGCCTCATCACAGGATTGGCACCATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213233 representing NM_052904
 Red=Cloning site Green=Tags(s)

MPSECLSIQEMLTGQRLCHSESHNDSVLAALNQQRSDGILCDITLIAEEQKFHAHKAVLAACSDYFRAM
 FSLCMVESGADEVNLHGVTSLGLKQALEFAYTGQILLEPGVIQDVLAAGSHLQLLELLNLCSHYLIQELN
 SFNYLDLYRLADLFNLTLLEKAVIDFLVKHSELLKSRPEEVLTPYCLLQEVLSKDRLTSLSEEQIWQL
 AVRWLEHNCHYQYMDLLQYIRFGLMDVDLTHTVALSHPLVQASETATALVNEALEYHQSIYAQPWQTR
 RTKPRFQSDTLYIIGGKKREVCKVKELRYFNPVDQENALIAAIANWSELASMPVGRSHHCVAVMGDFLFV
 AGGEVEHASGRTCAVRTACRYDPRSNSWAEIAPMKNCREHFLGAMEEYLAVVGRNELRQVLPTVERYC
 PKKNKWTFFVQSFDRSLSCHAGYVADGLLWISGGVTNTAQYQNRMLVYEPNQNKWISRSPMLQRRVYHSM
 AVQRKLYVLGGNDLDYNNDRILVRHIDSYNIDTDQWTRCNFNL TGQNESGVAVHNGRIYLVGGYSIWTN
 EPLACIQVLDVSRGKEEVFYGPTLPFASNGIAACFLPAPYFTCPNLQTLQVPHHRTGI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_052904

ORF Size: 1860 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).

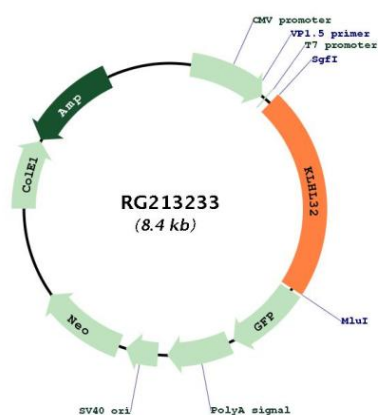
Reconstitution Method:

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_052904.2](#)

RefSeq Size: 3322 bp
RefSeq ORF: 1863 bp
Locus ID: 114792
UniProt ID: [Q96NJ5](#)
Cytogenetics: 6q16.1
Domains: BTB, Kelch

Product images:


Circular map for RG213233