

Product datasheet for **RG207365**

KBTBD2 (NM_015483) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KBTBD2 (NM_015483) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KBTBD2
Synonyms:	BKLHD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207365 representing NM_015483
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGTCCACTCAAGACGAGAGGCAGATCAATACTGAATATGCTGTGTCATTGTTGGAACAGTTGAACTGT
 TTTATGAACAGCAGTTGTTTACTGACATAGTGTTAATTGTTGAGGGCACTGAATTCCTTGCATAAGAT
 GGTTCCTGCAACATGTAGCTCTTATTTACAGGGCCATGTTTATGAGTGGACTAAGTAAAGCAAAACAAACC
 CATGTACACCTGAGGAATGTCGATGCTGCCACCTTACAGATAATAATAACTTATGCATACACGGGTAAC
 TGGCAATGAATGACAGCACTGTAGAACAGCTTTATGAAACAGCTTGCTTCCTACAGGTAGAAGATGTGTT
 ACAACGTTGTCGAGAATATTTAATTAATAAATAAATGCAGAGAATTGTGTACGATTGTTGAGTTTTGCT
 GATCTCTTCAGTTGTGAGGAATTAACAGAGTGCTAAAAGAATGGTGGAGCACAAGTTCCTGCTGTGT
 ATCATAAGGACGCGTTCATGCAGCTGTCACATGACCTACTGATAGATATTCTCAGTAGTGACAATTTAA
 TGTAGAAAAGGAAGAAACCGTTCGAGAAGCTGCTATGCTGTGGCTAGAGTATAACACAGAATCACGATCC
 CAGTATTTGTCTTCTGTTCTTAGCCAAATCAGAATTGATGCACTTTCAGAAAGTAACACAGAGAGCTTGGT
 TTCAAGGTCTGCCACCCAATGATAAGTCAGTGGTGGTTCAAGGTCTGTATAAGTCCATGCCCAAGTTTTT
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 AGTCTTTACTCTTCTGTCTGTTACAGCCCCAAGCAGAAAAAGTTTACAAGTTATGTAGCCCACCAGCTG
 ATTTGCATAAGGTTGGGACCGTTGTAACCTCTGATAATGATATCTACATAGCAGGGGTCAAGTTCCTCT
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 ACATCCCTGCTAAGAGGTACTCTGACCCCTGTGTTAGAGCTGTTGTGATCTCAAATCTCTATGTGTGTT
 TATGCGAGAAACCACTTAAATGAGCGAGCTAAATATGCACCTACCAATATGACCTGGAAGTTGACCGG
 TGGTCTCTGCGGCAGCATATATCTGAACGTGTACTGTGGGACTTGGGAGAGATTTTCGATGCACTGTGG
 GGAAGCTCTATCCATCCTGCCTGAAGAGTATCCATGGAACACCAACTTATCTTTTTTCAACGGATGG
 GACAGAAGAGTTTGAAGTGGATGGAGAAATGGTTGCACTACCACCTGTA

AGCGGACCGACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

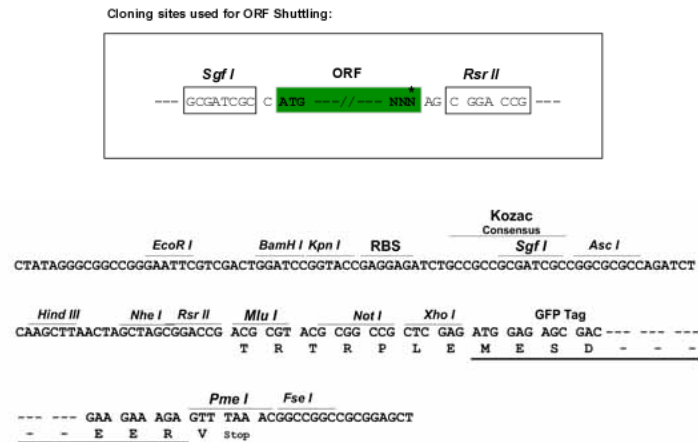
>RG207365 representing NM_015483
 Red=Cloning site Green=Tags(s)

MSTQDERQINTEYAVSLLEQLKLFYEQQLFDTDIVLIVEGTEFPCHKMVLATCSSYFRAMFMSGLSESKQT
 HVHLRNVDAAATLQIIITYAYTGNLAMNDSTVEQLYETACFLQVEDVLQRCREYL IKKINAENCVRLLSFA
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 YWFDAQQNTWFPKTPMLFVRIKPSLVCCEGYIYAIGGDSVGGELNRRRTVERYDTEKDEWTVMSPLPCAWQ
 WSAVVVHDCIYVMTLNLMYCYFPRSDSWEMAMRQTSRSFASAAAFGDKIFYIGGLHIATNSGIRLPSG
 TYDGSSTVEIYDVNKNEWKMAANIPAKRYSDPCVRAVVISNSLCVFMRETHLNERAKYVYQYDLELDR
 WSLRQHISERVLWDLGRDFRCTVGKLYPSCLEEYPWKPTLYLSTDGTEEFELDGEMVALPPV

SGPTRRRLE – GFP Tag – V

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_015483

ORF Size: 1869 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_015483.1](#), [NP_056298.1](#)

RefSeq Size: 3710 bp

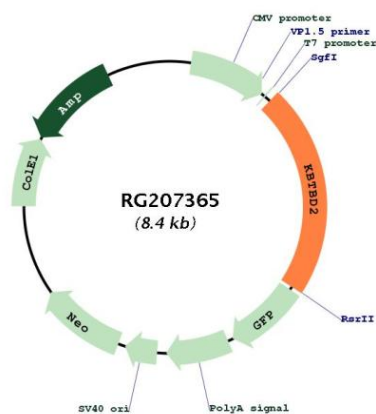
RefSeq ORF: 1872 bp

Locus ID: 25948

UniProt ID: [Q8IY47](#)

Cytogenetics: 7p14.3

Product images:



Circular map for RG207365