

Product datasheet for **RG211572**

KBTBD4 (NM_018095) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KBTBD4 (NM_018095) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	KBTBD4
Synonyms:	BKLHD4; HSPC252
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG211572 representing NM_018095
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAATCACCAGAGGAGCCTGGAGCATCCATGGATGAGAACTACTTTGTGAACTACACTTTCAAAGATC
 GGTACATTTCAGGCCGTGTGGCTCAAGGCATCATGAAACTGTGTCTAGAGGAGGAGCTCTTTGCTGATGT
 CACCATTTTCGGTGAAGGCCGGGAGTTTCAGCTCCATCGGCTGGTCTCTCAGCTCAGAGCTGCTTCTTC
 CGATCCATGTTCACTTCCAACCTGAAGGAGGCCACAACCGGGTATTGTGCTGCAGGATGTCAGCGAGT
 CTGTTTTCCAGCTCCTGGTTGATTATATCTACCATGGGACTGTGAAACTTCGAGCTGAGGAGTTGCAGGA
 AATTTATGAGGTGTCAGACATGTATCAGCTGACATCTCTTTGAGGAATGCTCTCGTTTTTTGGCCCGC
 ACAGTGAAGTGGGAACTGCCTTCAGGTGATGTGGTGGCAGATCGGCACAGTATCCTGAGCTCTATA
 CGGCTGCCAAGCACTGTCCAAGACCCACTGGCCAGCTGCAGAATACAGAGGAATTTCTCCACTTGCC
 CCACCGCTTACTCACAGATATCATCTCGGATGGAGTTCGGTGTCTCAGAACCAACAGAGGCAATAGAA
 GCCTGGATCAACTTTAATAAAGAGGAAAGAGAGGCTTTTGCAGAGTCACTCAGGACAAGCTTGAAGGAAA
 TTGGGGAGAATGTGCACATTTACCTGATTGGGAAAGAGTCATCTCGTACCACTCGTTGGCTGTGTCCTT
 GCACTGTGCAGAAGTACTCCATCAGTGAAGTGGCCAAAACAGTTTGTGCCACCAAGTACTGCGGCC
 TGCAAGCATGGTGGAGACTTGTATGTGGTGGGAGGGTCCATCCCACGGCGCATGTGGAAGTGAACAATG
 CCACCGTTGACTGGGAGTGGTGTCTCTTTGCCTCGGGACCGGCTCCAGCACACCCTGGTGTCTGTGCC
 CGGAAAGATGCCATATTTCACTGGGTGGCAAGACACTGCAAGATACCCTCTCCAACGCAGTCAATTTAT
 TATCGCGTAGGTGATAATGTGTGGACAGAGACAACACTCAGCTAGAGGTGGCTGTGTGAGGGCTGCTGGTG
 CCAACTCAACGGGATCATCTACTTACTAGGGGGGAGGAGAATGATCTGGACTTCTTTACCAAACTTTC
 CCGACTCATCCAGTGCTTTGACACAGAGACACAATGCCATGTGAAGCCCTATGTGCTGCCCTTTGCA
 GGCCGCATGCACGCAGCTGTGCATAAAGATCTGGTGTTCATCGTGGCTGAAGGGGACTCCCTGGTGTGCT
 ACAATCCCTTGCTAGACAGCTTACCCGGCTTTGCCTTCTGAGGCCTGGAGCTCTGCCCATCCCTCTG
 GAAGATTGCCAGCTGTAAACGGGAGCATCTATGTCTCCGGGACCGATATAAAAAGGGGGATGCCAACACC
 TACAAGCTTGACCCTGCCACTTCAGCCGTAAGTGTACAAAGAGGTATTAAGGTGTGCTTACCAATTTGC
 AGTTTGTGTTGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG211572 representing NM_018095
 Red=Cloning site Green=Tags(s)

MESPEEPGASMDENYFVNYTFKDRSHSGRVAQGIKMLCLEEELFADVTISVEGREFQLHRLVLSAQSCFF
 RSMFTSNLKEAHRVIVLQDVSESVFQLLVLDYIYHGTVKLRAEELQEIEVSDMYQLTSLFEECSRFLAR
 TVQVGNCLQVMWLANDRHSPELYTAAKHCAKTHLAQLQNTTEFLHLPRLTLDIISDGVPCSQNPTEAIE
 AWINFNKEEREAFESLRTSLKEIGENVHIYLIKESRTHSLAVSLHCAEDDSISVSGQNSLCHQITAA
 CKHGGDLVYVGGSIIPRMWKCNNATVDWEWCAPLPRDRLQHTLVSVPGKDAIYSLGGKTLQDTLSNAVIY
 YRVGDNVWTEETQLEVAVSGAAGANLNGIYLLGGEENDLDFFTKPSRLIQCFDTEETDKCHVKPYVLPFA
 GRMHAHVHKLDFIVAEGDSLVCYNPLLDLDFTRLCLPEAWSSAPSLWKIASCNGSIYVFRDRYKKGDANT
 YKLDPATSAVTVTRGIKVLTLNLQFVLA

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_018095

ORF Size: 1554 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_018095.2](#)

RefSeq Size: 2355 bp

RefSeq ORF: 1605 bp

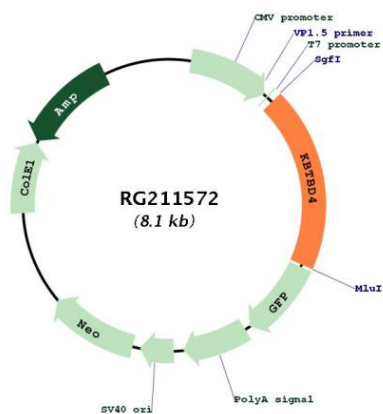
Locus ID: 55709

UniProt ID: [Q9NVX7](#)

Cytogenetics: 11p11.2

Domains: BTB, Kelch

Product images:



Circular map for RG211572