OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC219582

Kbtbd8 (NM_001008785) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kbtbd8 (NM_001008785) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Kbtbd8
Synonyms:	AU040152; mKIAA1842; SSEC-51; SSEC51; Takrp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC219582 representing NM_001008785
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGCGTCGGCAGATTTAAGTAAGTCTTCCCCAACACCGAATGGGATTCCATCTTCAGACACAGCCA
ACGATACCATGGATCCTTTCCATGCTTGCAGTATTCTTAAGCAACTCAAAACAATGTACGATGAAGGACA
GTTGACAGACATTGTAGTGGAAGTGGATCACGGGAAAACATTTTCCTGTCATAGAAACGTTCTTGCTGCA
ATCAGCCCCTACTTCAGATCCATGTTCACTAGCGGCCTTACAGAAAGTACTCAGAAAGAAGTTCGAATCA
TTGGTGTTGAAGCTGAATCAATGGATTTAGTATTGAATTATGCCTATACCTCTAGAGTTATTCTGACAGA
GGCCAATGTTCAAGCCTTGTTCACTACAGCTAGCATCTTCCAAATTCCTTCCATACAAGACCAGTGTGCT
AAGTATATGATTAGTCATTTGGATCCACAGAATTCTATTGGAGTCTTTATCTTTGCTGATCATTATGGTC
ATCAGGAGCTTGGAGATCGATCAAAAGAATATATCCGTAAAAAGTTTCTGTGTGTCACCAAAGAACAAGA
GTTTCTCCAACTGACAAAAGACCAACTCATAAGCATACTAGACAGTGACGATTTAAATGTGGATCGGGAA
GAACATGTTTATGAAAGCATTATAAGGTGGTTTGAACATGAGCAGAGTGAAAGAGAAGTACACCTTCCAG
AGATTTTTGCCAAATGTATACGTTTTCCTCTAATGGAAGATACATTTATCGAGAAAATTCCTCCTCAGTT
TGCACAGGCCATAGTCAAAAGTTGTGGAGAACCCTCCAACACCAGTGGCTGTACACAGAGGCTTGGAATG
ACTGCTTCTGAAATGATCATATGTTTTGATGCTGCCCACAAACACTCAGGAAAGAAGCAAACAGTGCCTT
GTCTAGATATCGTCACAGGAAGAGTGTTTAAACTATGCAAACCACCAAATGACCTAAGAGAAGTTGGGAT
TCTTGTGTCACCAGATAATGACATATACATTGCAGGAGGCTACAGGCCAAGCAGCAGTGAGGTGTCCATC
GACCATAAAGCAGAAAATGATTTTTGGATGTATGACCATTCCACCAACAGATGGCTTTCCAAGCCGTCCT
TGCTTCGGGCCAGAATAGGCTGCAAGCTAGTATACTGCTGTGGTAAAATGTATGCAATTGGAGGGCGTGT
TTACGAAGGTGATGGAAGAAACTCACTGAAGTCTGTGGAGTGCTATGATAGCAGAGAGAATTGCTGGATG
ACTGTGTGTGCCATGCCAGTTGCAATGGAGTTTCATAATGCTGTGGAGCACAAAGAGAAAATCTACGTTT
TACAGGGGGAATTTTTCCTCTTCTATGAGCCTCAAAAAGACTACTGGGGATTTTTAACCCCCATGACTGT
GCCTCGAATCCAGGGCTTAGCAGCTGTGTACAAAGACTCAATCTACTACATAGCTGGAACCTGTGGAAAT
CATCAGCGTGTGTTTACTGTTGAAGCCTATGATATAGAGCTAAATAAGTGGACTCGTAAAAAGGACTTTC
CGTGTGATCAGTCTATAAATCCATACCTGAAGCTAGTACTTTTCCAGAATAAACTCCATTTATTTGTGCG
AGCTACTCAAGTGACTGTTGAAGAACATATCTTCAGAACCAGCAGGAAAAATTCTCTTTACCAATACGAT
GACATTGCTGACCAGTGGATGAAAGTGTATGAGACCCCAGATCGGCTGTGGGACCTTGGCCGCCATTTTG
AGTGTGCGGTGGCTAAACTCTATCCTCAGTGTCTTCAGAAAGTTCTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001008785

Insert Size: 1800 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001008785.5, NP_001008785.2
RefSeq Size:	4732 bp
RefSeq ORF:	1800 bp
Locus ID:	243574
UniProt ID:	Q3UQV5
Cytogenetics:	6 D2
Gene Summary:	Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex that acts as a regulator of neural crest specification. The BCR(KBTBD8) complex acts by mediating monoubiquitination of NOLC1 and TCOF1: monoubiquitination promotes the formation of a NOLC1-TCOF1 complex that acts as a platform to connect RNA polymerase I with enzymes responsible for ribosomal processing and modification, leading to remodel the translational program of differentiating cells in favor of neural crest specification.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).