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Product datasheet for SC101254

KBTBD5 (KLHL40) (NM_152393) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KBTBD5 (KLHL40) (NM_152393) Human Untagged Clone
Tag:	Tag Free
Symbol:	KBTBD5
Synonyms:	KBTBD5; NEM8; SRYP; SYRP
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene ORF within SC101254 sequence for NM_152393 edited (data generated by NextGen Sequencing)

ATGGCGCTGGGCTTGGAGCAGGCGGAGGAGCAGCGGTTGTACCAGCAGACGCTCCTGCAA
GACGGGCTCAAAGACATGCTGGACCATGGCAAGTTCCTCGACTGTGTGGTGCGGGCGGGC
GAGCGCGAGTTCCCGTGCCATCGCCTGGTGCTGGCCGCCTGCAGCCCCTACTTCCGGGCG
CGCTTTCTAGCCGAGCCGGAGCGCGCGGGCGAGCTGCACCTGGAGGAGGTGTCCCCGGAC
GTGGTGGCCCAGGTGCTGCACTACCTGTACACATCAGAGATCGCGCTGGATGAGGCGAGC
GTGCAGGATTTGTTCGCCGCGGCACACCGCTTCCAGATCCCTTCCATCTTCACCATCTGC
GTGTCCTTCCTGCAGAAGCGCCTGTGCCTCTCCAACTGCTTGGCCGTCTTCCGTCTCGGC
CTCCTGCTCGACTGCGCGCGTCTCGCCGTGGCTGCCCGCGACTTCATCTGCGCTCACTTC
ACGCTGGTGGCGCGCGACGCTGACTTCCTCGGACTCTCGGCCGACGAGCTCATCGCCATC
ATCTCCAGCGACGGCCTTAACGTGGAGAAGGAGGAGGCAGTGTTCGAGGCGGTGATGCGG
TGGGCGGGTAGCGGCGACGCCGAGGCGCAGGCTGAGCGCCAGCGCGCGCTGCCCACCGTC
TTCGAGAGCGTGCGCTGCCGCTTGCTGCCGCGCGCCTTTCTGGAAAGCCGCGTGGAGCGC
CACCCTCTCGTGCGTGCCCAGCCCGAGTTGCTGCGCAAGGTGCAGATGGTGAAGGATGCA
CACGAGGGCCGCATCACCACGCTGCGGAAGAAAAAGAAGGGGAAGGATGGAGCCGGGGCC
AAGGAGGCTGATAAGGGCACAAGCAAAGCCAAAGCAGAGGAGGATGAGGAGGCCGAACGT
ATCCTTCCTGGGATCCTCAATGACACCCTGCGCTTCGGCATGTTCCTGCAGGATCTCATC
TTCATGATCAGTGAGGAGGGCGCTGTGGCCTACGATCCAGCAGCCAACGAGTGCTACTGT
GCTTCCCTCTCCAGCCAGGTCCCCAAGAACCACGTCAGCCTGGTTACCAAGGAGAACCAG
GTCTTCGTGGCTGGAGGCCTCTTCTACAACGAAGACAACAAAGAGGACCCCATGAGCGCA
TACTTCCTGCAGTTTGACCATCTGGACTCAGAGTGGCTGGGGATGCCACCGCTGCCCTCG
CCCCGCTGCCTCTTTGGCCTGGGAGAAGCTCTCAACTCCATCTACGTGGTCGGTGGCAGA
GAGATCAAGGACGGCGAGCGCTGCCTGGACTCGGTCATGTGCTACGACAGGCTGTCATTC
AAATGGGGTGAATCGGACCCGCTGCCTTACGTGGTGTATGGCCACACAGTGCTCTCCCAC
ATGGACCTTGTCTACGTAATTGGCGGCAAAGGCAGTGACAGGAAGTGCCTGAACAAGATG
TGCGTCTATGACCCCAAGAAGTTTGAGTGGAAGGAGCTGGCACCCATGCAGACCGCCCGC
TCACTCTTTGGGGCCACTGTCCATGATGGCCGCATTATCGTGGCAGCTGGGGTCACCGAC
ACAGGGCTGACCAGTTCTGCCGAAGTGTACAGCATCACAGACAACAAGTGGGCACCCTTC
GAGGCCTTCCCACAGGAGCGTAGCTCACTCAGCCTGGTCAGCCTGGTGGGTACCCTCTAT
GCCATTGGTGGCTTTGCCACACTGGAGACGGAGTCTGGAGAGCTGGTTCCCACAGAGCTC
AATGACATCTGGAGGTATAACGAGGAGGAGAAGAAATGGGAGGGTGTCCTGCGGGAGATC
GCCTATGCAGCAGGTGCCACCTTCCTACCAGTGCGGCTCAATGTGCTGCGCCTGACTAAG
ATGTGA

Clone variation with respect to NM_152393.2
1034 a=>g;1849 t=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152393 unedited
GGGGTTANCAATAGTATACGACTTATATAGGCGGCCGCGAAATTCGCACGAGGAGGGGTA
CAGAGAGGAGCCCCCTTGGCACCGGCACCGCACCCTAGGCCACCCACCATGGCGCTGGGC
TTGGAGCAGGCGGAGGAGCAGCGGTTGTACCAGCAGACGCTCCTGCAAGACGGGCTCAAA
GACATGCTGGACCATGGCAAGTTCCTCGACTGTGTGGTGCGGGCGGGCGAGCGCGAGTTC
CCGTGCCATCGCCTGGTGCTGGCCGCCTGCAGCCCCTACTTCCGGGCGCGCTTTCTAGCC
GAGCCGGAGCGCGCGGGCGAGCTGCACCTGGAGGAGGTGTCCCCGGACGTGGTGGCCCAG
GTGCTGCACTACCTGTACACATCAGAGATCGCGCTGGATGAGGCGAGCGTGCAGGATTTG
TTCGCCGCGGCACACCGCTTCCAGATCCCTTCCATCTTCACCATCTGCGTGTCCTTCCTG
CAGAAGCGCCTGTGCCTCTCCAACTGCTTGGCCGTCTTCCGTCTCGGCCTCCTGCTCGAC
TGCGCGCGTCTCGCCGTGGCTGCCCGCGACTTCATCTGCGCTCACTTCACGCTGGTGGCG
CGCGACGCTGACTTCCTCGGACTCTCGGCCGACGAGCTCATCGTCATCATCTATATCCAG
CGACGGCCTTAACGTGGAGAAGGAGGAGGCAGTGTTCGAGGCGGTGATGCGGTGGGCGGG
TAGCGGCGACGCCGAAGCGCAGGCTGAGCGCCAGCGCGCGCTGCCCACCGTCTCTNAAGC
GTGCGCTGCTGNCTGCTGCCGCGCGCCTTTCTGGAAGCCGCGTGGAGCGCCACCCTCTCG
TGCGTGCCCAGCCCGAGTTGCTGCGCAAGTGCANATGGTGAAAGATGCACACGAGGGCCG
CATCACCCGCTGCGGAAGAAAAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_152393 unedited
NNGGGTACACTATGNNACCGCGGCCGCAANCTAGNGATCGGTTTTTTTTTTTTTTTTTTG
CTTGCTCAGAAGCACTTTATTCTTCCTAAAGAAGGAGACATATCTGCACTGTACACTGCA
CTTGATGGGGATGCTCCCATCGGACAGACGAGAAGGCTGAGTCCTGTGGGGAACTTTGCC
AGCACACTCAGCTAGGCTGGGGCAGGGCCAGCACACGGCCTGGGATACCGCCCTGTGGTT
CTGGTTCATGGATCAAGACAACCTAGGGGGATATGGCAACACTGGAGAAGCCTCTAGTTT
CTCACCCTGGCCCAAAAGTCCAGGACTAAGCAGCACTTCCCTTTCCTTGGCTGACGCAGC
CCCTGAGGCACCATAACTGGATCCAGGTAGACTCTGGCCTCTCCTAGCCTCTTTTCTGGA
GCCCCCACAAGGCCAGGCCAGTGAGGGTCGCAGGATGGGAGGGGTGCTTAGTTCAGTCTG
CCTGAGCTGGTCACATCTTAGTCAGGCGCAGCACATTGAGCCGCACTGGTAGGAAGGTGG
CACCTGCTGCATAGGCGATCTCCCGCAGGACACCCTCCCATTTCTTCTCCTCCTCGTTAT
ACCTCCAGATGTCATTGAGCTCTGTGGGAACCAGCTCTCCAGACTCCGTCTCCAGTGTGG
CAAAGCCACCAATGGCATAGAGGGTACCCACCAGGCTGACCAGGCTGAGTGAGCTACGCT
CCTGTGGGAAGGCCTCGAAGGGTGCCCACTTGTTGTCTGTGATGCTGTACACTTCGGCAG
AACTGGTCAGCCCTGTGTCGGTGACCCCAGCTGCCACGATAATGCGGCCATCATGGACAG
TGGCCCCAAAGATGAGCGGGCGGTCTGCATGGGTGCCAGCTCCTTTCACTCAACTTCTTG
GG

Restriction Sites: NotI-NotI

ACCN: NM_152393

Insert Size: 2500 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.
RefSeq:	NM_152393.2, NP_689606.2
RefSeq Size:	2423 bp
RefSeq ORF:	1866 bp
Locus ID:	131377
UniProt ID:	Q2TBA0
Cytogenetics:	3p22.1
Domains:	BTB, Kelch
Gene Summary:	This gene encodes a protein containing a BACK domain, a BTB/POZ domain, and 5 Kelch repeats, however, its exact function is not known. The gene and the multi-domain protein structure are conserved across different taxa, including primates, rodents, chicken and zebrafish. [provided by RefSeq, Dec 2012]