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Product datasheet for RC225769

KBTBD13 (NM_001101362) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	KBTBD13
Synonyms:	HCG1645727; NEM6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC225769 representing NM_001101362
Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCACGGGGTCCACAGACCCTGGTGCAGGTGTGGGTGGGCGGCCAGCTCTTCCAAGCCGACCGCGCCC
TGCTGGTGGAGCACTGTGGCTTCTTCCGAGGCCTCTTCCGCTCCGGCATGCGGGAGACCCGCGCAGCAGA
GGTGCGCCTGGGCGTTCTGAGCGCGGGAGGTTTCCGCGCCACGCTGCAGGTGCTGCGCGGCGACCGGCCG
GCGCTGGCGGCGGAGGACGAGCTGCTGCAGGCCGTGGAGTGCGCCGCCTTCCTCCAGGCGCCGGCGCTGG
CTCGCTTTCTGGAGCACAACCTCACGTCGGACAACTGCGCATTGCTGTGCGACGCGGCCGCCGCCTTCGG
CCTGCGCGACGTGTTCCACAGTGCCGCGCTCTTCATCTGCGACGGCGAGCGCGAGCTGGCGGCCGAACTG
GCGCTGCCTGAGGCCCGCGCCTACGTGGCGGCCCTGCGGCCCAGCAGCTACGCGGCCGTGAGCACGCACA
CGCCCGCGCCCGGCTTCCTGGAGGACGCCTCGCGCACGCTGTGTTACCTGGACGAGGAAGAGGACGCGTG
GCGCACGCTGGCTGCGCTGCCCCTGGAGGCCAGCACGTTGCTGGCCGGGGTGGCCACGCTGGGCAACAAG
CTTTACATCGTGGGGGGCGTGCGCGGCGCCAGCAAGGAGGTGGTAGAGCTGGGCTTCTGCTACGACCCCG
ACGGCGGCACGTGGCACGAGTTCCCCAGCCCGCACCAGCCGCGCTATGACACAGCGCTGGCCGGCTTCGA
CGGCCGCCTCTACGCCATCGGCGGCGAGTTCCAGAGGACGCCCATCAGCTCCGTGGAGCGCTACGACCCA
GCCGCGGGCTGCTGGAGTTTCGTGGCCGACCTGCCGCAGCCGGCCGCCGGCGTGCCCTGCGCCCAGGCTT
GTGGCCGTCTCTTCGTGTGCCTGTGGCGGCCGGCCGACACCACCGCCGTGGTGGAGTACGCAGTGCGGAC
CGACGCGTGGCTGCCAGTGGCCGAGCTGCGGCGTCCGCAGAGCTATGGCCACTGCATGGTGGCCCACCGC
GACAGCCTCTATGTGGTGCGCAACGGACCTTCCGACGACTTCCTGCACTGCGCCATCGACTGTCTCAACC
TGGCCACGGGCCAGTGGACGGCGCTGCCCGGCCAGTTCGTCAACAGCAAGGGAGCGCTCTTCACGGCCGT
GGTGCGCGGCGACACCGTCTATACGGTCAACCGCATGTTCACGCTGCTCTACGCCATCGAGGGCGGCACC
TGGCGGCTGCTCAGGGAGAAAGCCGGCTTCCCGCGGCCCGGCTCCTTGCAGACCTTTCTCCTAAGGCTGC
CTCCTGGCGCTCCTGGGCCTGTGACTTCGACAACGGCAGAACTG

CTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACG
ATAAGGTTTAA

Protein Sequence:

>RC225769 representing NM_001101362
Red=Cloning site Green=Tags(s)

MARGPQTLVQVWVGGQLFQADRALLVEHCGFFRGLFRSGMRETRAAEVRLGVLSAGGFRATLQVLRGDRP
ALAAEDELLQAVECAAFLQAPALARFLEHNLTSDNCALLCDAAAAFGLRDVFHSAALFICDGERELAAEL
ALPEARAYVAALRPSSYAAVSTHTPAPGFLEDASRTLCYLDEEEDAWRTLAALPLEASTLLAGVATLGNK
LYIVGGVRGASKEVVELGFCYDPDGGTWHEFPSPHQPRYDTALAGFDGRLYAIGGEFQRTPISSVERYDP
AAGCWSFVADLPQPAAGVPCAQACGRLFVCLWRPADTTAVVEYAVRTDAWLPVAELRRPQSYGHCMVAHR
DSLYVVRNGPSDDFLHCAIDCLNLATGQWTALPGQFVNSKGALFTAVVRGDTVYTVNRMFTLLYAIEGGT
WRLLREKAGFPRPGSLQTFLLRLPPGAPGPVTSTTAEL

LEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-XhoI

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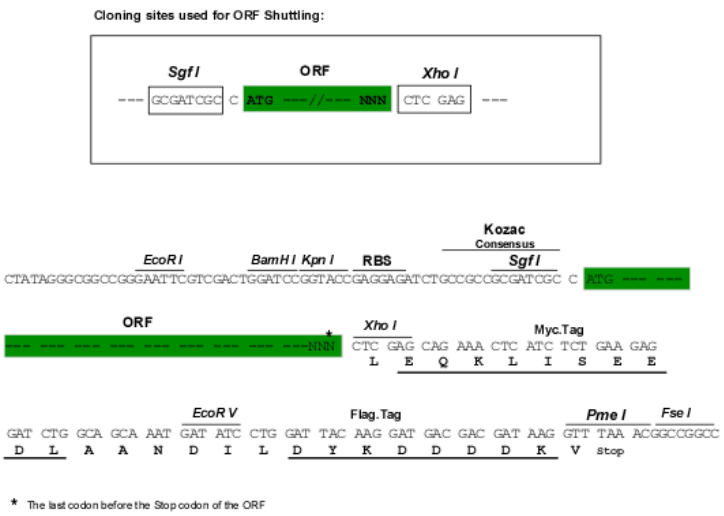
Cloning Scheme:



ACCN: NM_001101362

ORF Size: 1374 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_001101362.1, NP_001094832.1

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RefSeq ORF: 1377 bp

Locus ID: 390594

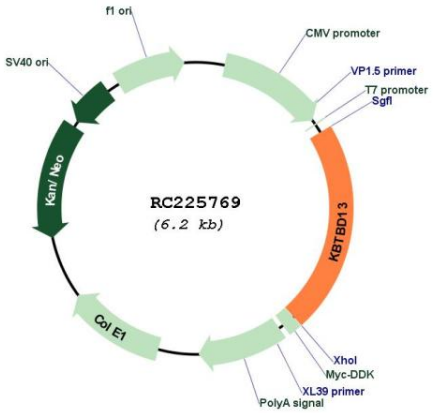
UniProt ID: C9JR72

Cytogenetics: 15q22.31

MW: 49.3 kDa

Gene Summary: The gene belongs to a family of genes encoding proteins containing a BTB domain and several kelch repeats. The BTB domain functions as a protein-protein interaction module, which includes an ability to self-associate or to interact with non-BTB domain-containing proteins. The kelch motif typically occurs in groups of five to seven repeats, and has been found in proteins with diverse functions. Known functions of these family members include transcription regulation, ion channel tetramerization and gating, protein ubiquitination or degradation, and cytoskeleton regulation. The exact function of this family member has yet to be determined. [provided by RefSeq, Jun 2010]

Product images:



Circular map for RC225769

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