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Product datasheet for RC225691

TBCEL (NM_001130047) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBCEL (NM_001130047) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TBCEL
Synonyms:	El; LRRC35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

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ORF Nucleotide Sequence:

>RC225691 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATCAACCTAGTGGAAGAAGTTTCATGCAAGTATTATGTGAAAAATATAGTCCTGAAAATTTTCCTT
ATCGCCGTGGCCCGGGGATGGGAGTCCATGTCCCAGCCACACCTCAGGGCTCTCCTATGAAAGATCGCCT
CAACCTCCCAAGTGTACTAGTGTTGAACAGCTGTGGAATAACCTGTGCAGGAGATGAAAAAGAAATTGCT
GCTTTCTGCGCTCATGTGTCGGAACTAGATCTTTCTGACAACAAACTCGAAGACTGGCATGAGGTCAGTA
AAATTGTGTCAAATGTTCCTCAGTTGGAGTTTCTAAACCTGAGTTCCAACCCTCTGAATTTGTCGGTTTT
AGAAAGAACATGTGCTGGGTCCTTCTCTGGGGTTCGCAAACTTGTCCTCAACAACAGCAAAGCTTCTTGG
GAGACGGTCCACATGATACTACAGGAGTTACCAGATTTGGAGGAGCTCTTCCTGTGCCTTAATGACTATG
AAACAGTGTCTTGTCCTTCTATTTGCTGTCATTCTCTTAAGCTACTACATATAACAGACAATAACCTCCA
AGACTGGACTGAAATACGAAAGTTAGGAGTTATGTTTCCTTCACTGGATACCCTCGTCCTGGCCAACAAT
CATTTGAATGCTATTGAGGAGCCTGATGATTCATTGGCCAGGTTGTTTCCTAATCTTCGATCCATCAGCC
TCCACAAGTCAGGTTTGCAGTCCTGGGAAGACATTGATAAACTAAATTCATTTCCCAAACTGGAAGAAGT
GAGATTGTTAGGAATTCCTCTTCTGCAGCCATATACCACCGAGGAGCGAAGGAAATTGGTAATAGCCAGA
TTGCCATCAGTTTCCAAACTTAATGGCAGCGTTGTTACTGATGGTGAACGAGAAGATTCTGAGAGATTTT
TTATTCGTTACTATGTGGATGTTCCACAGGAAGAAGTGCCATTCAGGTATCATGAACTGATCACTAAATA
TGGGAAGTTGGAGCCTTTGGCAGAAGTGGACCTAAGACCCCAGAGCAGTGCAAAAGTAGAAGTCCACTTT
AACGATCAGGTGGAAGAAATGAGCATTCGTCTGGACCAAACAGTGGCAGAACTAAAGAAACAGTTAAAAA
CTCTAGTACAATTACCCACAAGCAACATGCTTCTCTACTATTTTGACCATGAAGCACCCTTTGGCCCAGA
GGAAATGAAGTACAGCTCTCGGGCATTGCATTCCTTTGGCATTAGGGATGGAGATAAAATTTACGTGGAA
TCCAAAACAAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC225691 protein sequence
Red=Cloning site Green=Tags(s)

MDQPSGRSFMQVLCEKYSPENFPYRRGPGMGVHVPATPQGSPMKDRLNLPSVLVLNSCGITCAGDEKEIA
AFCAHVSELDLSDNKLEDWHEVSKIVSNVPQLEFLNLSSNPLNLSVLERTCAGSFSGVRKLVLNNSKASW
ETVHMILQELPDLEELFLCLNDYETVSCPSICCHSLKLLHITDNNLQDWTEIRKLGVMFPSLDTLVLANN
HLNAIEEPDDSLARLFPNLRSISLHKSGLQSWEDIDKLNSFPKLEEVRLLGIPLLQPYTTEERRKLVIAR
LPSVSKLNGSVVTDGEREDSERFFIRYYVDVPQEEVPFRYHELITKYGKLEPLAEVDLRPQSSAKVEVHF
NDQVEEMSIRLDQTVAELKKQLKTLVQLPTSNMLLYYFDHEAPFGPEEMKYSSRALHSFGIRDGDKIYVE
SKTK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6443_e04.zip

Restriction Sites: SgfI-MluI

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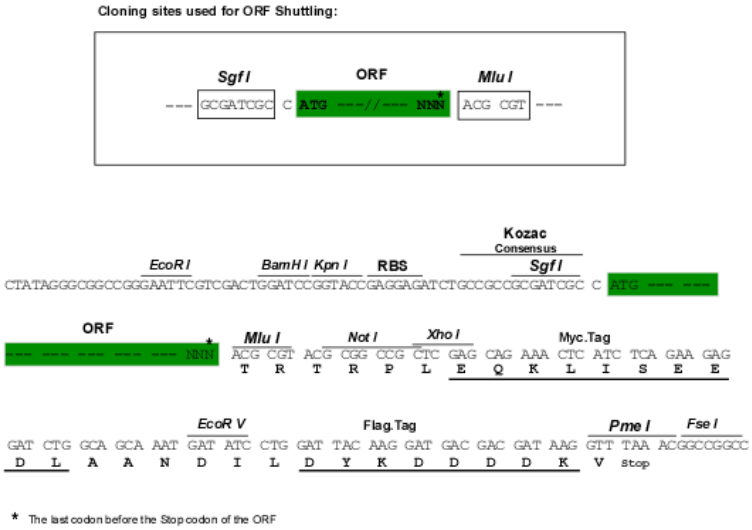
Cloning Scheme:



ACCN: NM_001130047

ORF Size: 1272 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_001130047.3

RefSeq Size: 3914 bp

RefSeq ORF: 1275 bp

Locus ID: 219899

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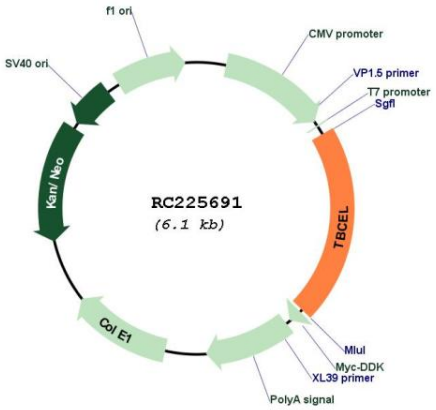
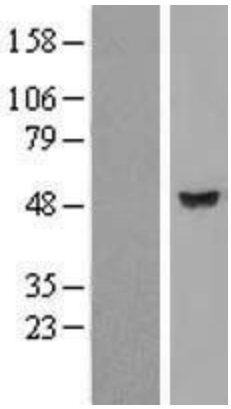
UniProt ID:	Q5QJ74
Cytogenetics:	11q23.3
Protein Families:	Druggable Genome
MW:	48.2 kDa
Gene Summary:	Acts as a regulator of tubulin stability.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC225691



Western blot validation of overexpression lysate (Cat# [LY427127]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225691 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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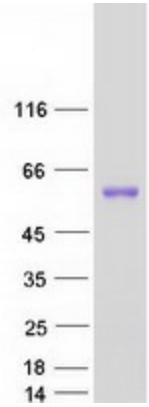

Coomassie blue staining of purified TBCEL protein (Cat# [TP325691]). The protein was produced from HEK293T cells transfected with TBCEL cDNA clone (Cat# RC225691) using MegaTran 2.0 (Cat# [TT210002]).

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