

Product datasheet for **RC205021**

BTF3L4 (NM_152265) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BTF3L4 (NM_152265) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: BTF3L4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC205021 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAATCAAGAAAAGTTAGCCAACTTCAGGCTCAGGTCCGGATAGGGGGCAAGGTACAGCTCGCAGAA
 AGAAGAAGGTGGTACATAGAACAGCCACAGCTGATGACAAAAAGCTTCAGAGTTCCTAAAAAACTGGC
 TGTGAATAATATAGCTGGTATTGAAGAGGTGAACATGATTAAGATGATGGGACAGTTATTCATTTCAAC
 AATCCCAAAGTCCAAGCTTCCCTTTCTGCTAATACCTTTGCAATTACTGGTCATGCAGAAGCCAAACCAA
 TCACAGAAATGCTTCTGGAATATTAAGTCAGCTTGGTGTGACAGTTTAAACAAGCCTTAGGAAGTTAGC
 TGAACAGTTCCCACGGCAAGCTTGGACAGTAAAGCACCAAAACCAGAAGACATTGATGAGGAAGATGAT
 GATGTTCCAGATCTTGTAGAAAATTTGATGAGGCATCAAAGAATGAAGCTAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205021 protein sequence
 Red=Cloning site Green=Tags(s)

MNQEKLAKLQAQVRIGGKGTARRKKKVVHRTATADKKLQSSLKKLAVNNIAGIEEVNMIKDDGTVIHFN
 NPKVQASLSANTFAITGHAEAKPITEMLPGILSQLGADSLTSLRKLAEQFPRQVLDSKAPKPEDIDEEDD
 DVPDLVENFDEASKNEAN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6438_f10.zip

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_152265

ORF Size: 474 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_152265.5](#)

RefSeq Size: 4643 bp

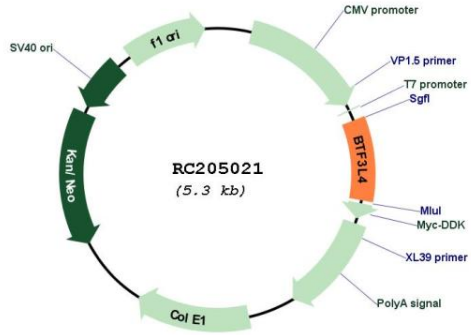
RefSeq ORF: 477 bp

Locus ID: 91408

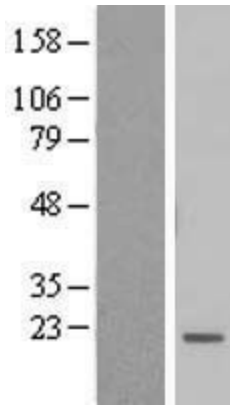
UniProt ID: [Q96K17](#)

Cytogenetics: 1p32.3
 MW: 17.3 kDa

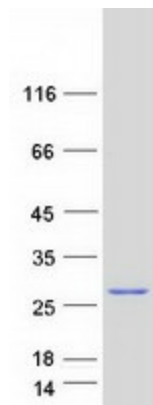
Product images:



Circular map for RC205021



Western blot validation of overexpression lysate (Cat# [LY407687]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205021 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified BTF3L4 protein (Cat# [TP305021]). The protein was produced from HEK293T cells transfected with BTF3L4 cDNA clone (Cat# RC205021) using MegaTran 2.0 (Cat# [TT210002]).