

Product datasheet for **RG200546**

BIK (NM_001197) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BIK (NM_001197) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: BIK
Synonyms: BIP1; BP4; NBK
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200546 representing NM_001197
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGAAGTAAGACCCCTCTCCAGAGACATCTTGATGGAGACCCTCTGTATGAGCAGCTCCTGGAAC
 CCCCACCATGGAGTTCTTGGCATGACTGACTCTGAAGAGGACCTGGACCCTATGGAGGACTTCGATTC
 TTTGGAATGCATGGAGGGCAGTGACGCATTGGCCCTGCGGCTGGCTGCATCGGGGACGAGATGGACGTG
 AGCCTCAGGGCCCGCGCTGGCCAGCTCTCCGAGGTGGCCATGCACAGCCTGGGTCTGGCTTTCATCT
 ACGACCAGACTGAGGACATCAGGGATGTTCTTAGAAGTTTCATGGACGGTTTCACCACACTAAGGAGAA
 CATAATGAGGTTCTGGAGATCCCCGAACCCGGTCTGGGTGTCTGCGAACAGGTGCTGCTGGCGCTG
 CTGCTGCTGCTGGCGCTGCTGCTGCCGCTGCTCAGCGGGGCTGCACCTGCTGCTCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200546 representing NM_001197
 Red=Cloning site Green=Tags(s)

MSEVRPLSRDILMETLLYEQLLEPPTMEVLGMTDSEEDLDPMEDFDSLECMEGSDALALRLACIGDEMDV
 SLRAPRLAQLSEVAMHSLGLAFIYDQTEDIRDVLRFSFMDGFTTLKENIMRFWRSPNPGSWVWSCEQVLLAL
 LLLLALLPLLSGGLHLLK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001197

ORF Size: 480 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_001197.5](#)

RefSeq Size: 963 bp

RefSeq ORF: 483 bp

Locus ID: 638

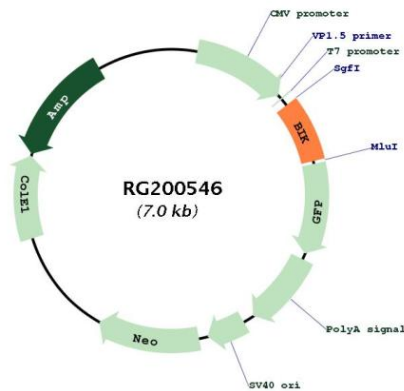
UniProt ID: [Q13323](#)

Cytogenetics: 22q13.2

Protein Families: Druggable Genome, Stem cell - Pluripotency, Transmembrane

Gene Summary: The protein encoded by this gene shares a critical BH3 domain with other death-promoting proteins, such as BID, BAK, BAD and BAX, that is required for its pro-apoptotic activity, and for interaction with anti-apoptotic members of the BCL2 family, and viral survival-promoting proteins. Since the activity of this protein is suppressed in the presence of survival-promoting proteins, it is suggested as a likely target for anti-apoptotic proteins. [provided by RefSeq, Sep 2011]

Product images:



Circular map for RG200546