

Product datasheet for **RG206481**

FKBP11 (NM_016594) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FKBP11 (NM_016594) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: FKBP11
Synonyms: FKBP19
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG206481 representing NM_016594
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCCTGCGCCCTCACTCCTCCCGCTCCATCTGCTGCTGCTGCTGCTCAGTGCGGCGGTGTGCC
 GGGCTGAGGCTGGGCTCGAAACCGAAAGTCCCGTCCGACCCCTCAAGTGGAGACCCTGGTGGAGCCCC
 AGAACCATGTGCCGAGCCCGCTGCTTTGGAGACACGCTTCACATACACTACACGGGAAGCTTGGTAGAT
 GGAGCTATTATTGACACCTCCCTGACCAGAGACCCTCTGGTTATAGAAGTTGGCCAAAAGCAGGTGATTC
 CAGGTCTGGAGCAGAGTCTTCTCGACATGTGTGGGAGAGAAGCGAAGGCAATCATTCTTCTCACTT
 GGCTATGGAAAACGGGGATTTCCACCATCTGTCCAGCGGATGCAGTGGTGCAGTATGACGTGGAGCTG
 ATTGCACTAATCCGAGCCAACACTACTGGCTAAAGCTGGTGAAGGGCATTTTGCCTCTGGTAGGGATGGCCA
 TGGTGCCAGCCCTCCTGGGCCTCATTGGGTATCACCTATACAGAAAGCCAATAGACCCAAAGTCTCCAA
 AAAGAAGCTCAAGGAAGAGAAACGAAACAAGAGCAAAAAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG206481 representing NM_016594
 Red=Cloning site Green=Tags(s)

MTLRPSLLPLHLLLLLLLLSAAVCRAEAGLETESPVRTLQVETLVEPPEPCAEPAAFGDTLHIHYTGSLVD
 GRIIDTSLTRDPLVIELGQKQVIPGLEQSLDMCVGEKRRRAIIPSHLAYGKRGFPPSPADAVVQYDVEL
 IALIRANYWLKLVKGILPLVGMAMVPALLGLIGYHLRKRANRPKVSKKKLKEEKRNSKKK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_016594

ORF Size: 603 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_016594.3](#)

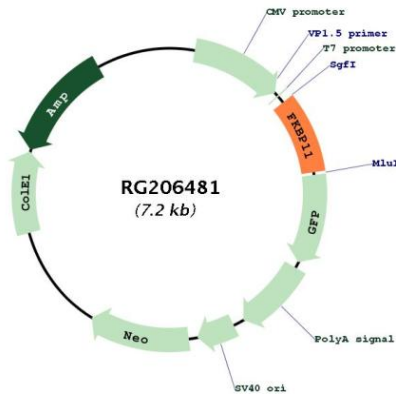
RefSeq Size: 727 bp

RefSeq ORF: 606 bp

Locus ID: 51303

UniProt ID: [Q9NYL4](#)
Cytogenetics: 12q13.12
Domains: FKBP
Protein Families: Druggable Genome, Transmembrane
Gene Summary: FKBP11 belongs to the FKBP family of peptidyl-prolyl cis/trans isomerases, which catalyze the folding of proline-containing polypeptides. The peptidyl-prolyl isomerase activity of FKBP proteins is inhibited by the immunosuppressant compounds FK506 and rapamycin (Rulien et al., 2006 [PubMed 16596453]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG206481