

Product datasheet for RC227507

FKBP11 (NM_001143781) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: FKBP11 (NM_001143781) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: FKBP11
Synonyms: FKBP19
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC227507 representing NM_001143781
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACCCTGCGCCCTCACTCCTCCGCTCCATCTGCTGCTGCTGCTGCTGCTCAGTGCGGCGGTGTGCC
 GGGCTGAGGCTGGGCTCGAAACCGAAAGTCCCCTCGGACCCTCAAGTGGAGACCCTGGTGAGCCCC
 AGAACCATGTGCCGAGCCGCTGCTTTTGGAGACACGCTTACATACACTACACGGAAGCTTGGTAGAT
 GGACGTATTATTGACACCTCCCTGACCAGAGACCCTCTGGTTATAGAAGTGGCCAAAAGCAGGTGATTC
 CAGGTCTGGAGCAGAGTCTTCTCGACATGTGTGTGGGAGAGAAGCGAAGGCAATCATTCTTCTCACTT
 GGCCATGGAAAACGGGGATTTCCACCATCTGTCCCAGCGGATGCAGTGGTGCAGTATGACGTGGAGCTG
 ATTGCACTAATCCGAGCCAACACTGGCTAAAGCTGGTGAAGGGCATTTCCTCTGGTAGGGATGGCCA
 TGGTGCCAGCCCTCCTGGGCTCATTGGGTATCACCTATACAGAAAGGCAATAGACCCAAAGTCTCCAA
 AAAGAAGCTCAAGGAAGAGAAACGAAACAAGAGCAAAAAGAAA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227507 representing NM_001143781
 Red=Cloning site Green=Tags(s)

MTLRPSLLPLHLLLLLLLLSAAVCRAEAGLETESPVRTLQVETLVEPPECAEPAAFGDTLHIHYTGLVD
 GRIIDTSLTRDPLVIELGQKQVIPGLEQSLDMCVGEKRRRAIIPSHLAYGKRGFPPSVPADAVVQYDVEL
 IALIRANYWLKLVKILPLVGMAMPALLGLIGYHLRKRANRPKVSKKKLKEEKRNSKKK

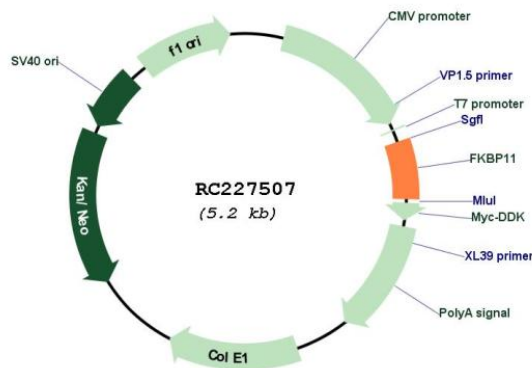
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



[View online »](#)

Cloning Scheme:

Plasmid Map:


ACCN: NM_001143781

ORF Size: 606 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_001143781.1](#), [NP_001137253.1](#)

RefSeq Size: 561 bp

RefSeq ORF: 300 bp

Locus ID: 51303

UniProt ID: [Q9NYL4](#)

Cytogenetics: 12q13.12

Protein Families: Druggable Genome, Transmembrane

MW: 22.2 kDa

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 (Rulten et al., 2006 [PubMed 16596453]).[supplied by OMIM, Mar 2008]