

FKBP3 cDNA

Catalog Number: ATGD0010

PRODUCT INFORMATION

Catalog number

ATGD0010

Product type

cDNA

Species

Human

NCBI Accession No.

NP_002004.1

Alternative Names

FKBP-25, FKBP-3, FKBP25, PPlase

mRNA Refseq

NM_002013.3

OMIM

186947

Chromosome location

14q21.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

675bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

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FK506 binding protein 3 (FKBP3), also known as FKBP25, is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. FKBP3 associates with transcriptional repressor protein YY1 and histone deacetylases, HDAC1 and HDAC2. Also, FKBP3 may contain several casein kinase II phosphorylation sites, which are believed to be important for cell growth regulation. It is localized in the nucleus and is expressed in the brain, testis, ovary, and spleen.

DATA**Sequence nucleotides**

```
ATGGCGGCGG CCGTCCACA GCGGGCGTGG ACCGTGGAGC AGCTGCGCAG TGAGCAGCTG CCCAAGAAGG
ACATTATCAA GTTTCTGCAG GAACACGGTT CAGATTCGTT TCTTGCAGAA CATAAATTAT TAGGAAACAT
TAAAAATGTG GCCAAGACAG CTAACAAGGA CCACTTGGTT ACAGCCTATA ACCATCTTTT TGAAACTAAG
CGTTTTAAGG GTACTGAAAG TATAAGTAAA GTGTCTGAGC AAGTAAAAAA TGTGAAGCTT AATGAAGATA
AACCCAAAGA AACCAAGTCT GAAGAGACCC TGGATGAGGG TCCACCAAAA TATACTAAAT CTGTTCTGAA
AAAGGGAGAT AAAACCAACT TTCCCAAAAA GGGAGATGTT GTTCACTGCT GGTATACAGG AACACTACAA
GATGGGACTG TTTTGTGATC TAATATTCAA ACAAGTGCAA AGAAGAAGAA AAATGCCAAG CCTTTAAGTT
TTAAGGTCGG AGTAGGCAA GTTATCAGAG GATGGGATGA AGCTCTCTTG ACTATGAGTA AAGGAGAAAA
GGCTCGACTG GAGATTGAAC CAGAATGGGC TTACGGAAAG AAAGGACAGC CTGATGCCAA AATTCCACCA
AATGCAAAC TCACTTTTGA AGTGAATTA GTGGATATTG ATTGA
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Transaction Sequence

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MAAAVPQRAW TVEQLRSEQL PKKDIIKFLQ EHGSDSFLAE HKLLGNIKNV AKTANKDHLV TAYNHLFETK RFKGTESISK
VSEQVKNVKL NEDKPKETKS EETLDEGPPK YTKSVLKKGD KTNFPKKGDV VHCWYTGTLQ DGTVFDNIQ TSAKKKNAK
PLSFKVGVGK VIRGWDEALL TMSKGEKARL EIEPEWAYGK KGQPDAKIPP NAKLTFEVEL VDID
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