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, PPIase

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

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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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 deaceltylases, 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 CCGTTCCACA 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 TTTTTGATAC TAATATTCAA ACAAGTGCAA AGAAGAAGAA AAATGCCAAG CCTTTAAGTT
TTAAGGTCGG AGTAGGCAAA GTTATCAGAG GATGGGATGA AGCTCTCTTG ACTATGAGTA AAGGAGAAAA
GGCTCGACTG GAGATTGAAC CAGAATGGGC TTACGGAAAG AAAGGACAGC CTGATGCCAA AATTCCACCA
AATGCAAAAC TCACTTTTGA AGTGGAATTA GTGGATATTG ATTGA

Transaction Sequence

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