

Product datasheet for SC117380

FKBP2 (NM_004470) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: FKBP2 (NM_004470) Human Untagged Clone
Tag: Tag Free
Symbol: FKBP2
Synonyms: FKBP-13; FKBP13; PPlase
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)
Fully Sequenced ORF: >OriGene ORF within SC117380 sequence for NM_004470 edited (data generated by NextGen Sequencing)

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ATGAGGCTGAGCTGGTTCGGGCTCCTGACAGTACTGTCCATCTGCCTGAGCGCCGTGGCC
ACGGCCACGGGGCCGAGGGCAAAGGAAGCTGCAGATCGGGTCAAGAAGCGGGTGGAC
CACTGTCCATCAAATCGCGCAAAGGGGATGTCCTGCACATGCACTACACGGGGAAGCTG
GAAGATGGGACAGAGTTTGACAGCAGCCTGCCCAAGAACAGCCCTTTGTCTTCTCCCTT
GGCACAGGCCAGGTCAAGGGCTGGGACCAGGGGCTGCTGGGGATGTGTGAGGGGGAA
AAGCGCAAGCTGGTGATCCCATCCGAGCTAGGGTATGGAGAGCGGGGAGCTCCCCAAAG
ATTCCAGCGGTGCAACCCTGGTGTTCGAGGTGGAGCTGCTCAAATAGAGCGACGAACT
GAGCTGTAA
```

Clone variation with respect to NM_004470.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_004470 unedited
CACGAGGGCACCACGGGGTTGACTCCGGGGCGCGGAGGAGAGACATGAGGCTGAGC
TGGTTCGGGCTCCTGACAGTACTGTCCATCTGCCTGAGCGCCGTGGCCACGGCCACGGG
GCCGAGGGCAAAGGAAGCTGCAGATCGGGTCAAGAAGCGGGTGGACCACTGTCCATC
AAATCGCGCAAAGGGGATGTCCTGCACATGCACTACACGGGGAAGCTGGAAGATGGGACA
GAGTTTGACAGCAGCCTGCCCAAGAACAGCCCTTTGTCTTCTCCCTTGGCACAGGCCAG
GTCATCAAGGGCTGGGACCAGGGGCTGCTGGGGATGTGTGAGGGGGAAAAGCGCAAGCTG
GTGATCCCATCCGAGCTAGGGTATGGAGAGCGGGGAGCTCCCCAAAGATTCCAGGCGGT
GCAACCCTGGTGTTCGAGGTGGAGCTGCTCAAATAGAGCGACGAACTGAGCTGACCCAG
ACTGGNGGAGGGGAGGGGAGAGGGCCCCATCAGGGACCAGACTGTTCCAAANAAAAA
CAAAAAACAAAAACAAAAACAAAAACACTTAAAGCCTAAAAAAAAAAAAAAAAAACTCG
ACTCTAGATTGCGGCCGGTCTATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTG
TGACCCCTCCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCCAACAGCCT
TGTCTCAATANAATTAAGTTGCATCATT
```



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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004470 unedited CAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTAGGCTTTTAAGTGTTTTTTTGTGGT TTTGTTTTTTGTTTTTTTTTTGGAACAGTCTGGTCCCTGATGGGGCCTCTCCCCCTGCC CCTCCCCAGTCTGGTTACAGCTCAGTTCGTGCTCTATTTTGAGCAGCTCCACCTCGAAC ACCAGGGTTGCACCGCTGGAATCTTTGGGGGAGCTCCCCGCTCTCCATACCCTAGCTCG GATGGGATCACCAGCTTGCCTTTTCCCCTCACACATCCCCAGCAGCCCCTGGTCCCAG CCCTTGATGACCTGGCCTGTGCCAAGGGAGAAGACAAAGGGCTGGTTCTGGGGCAGGCTG CTGTCAAACCTCTGTCCCATCTTCCAGCTTCCCCGTGTAGTGCATGTGCAGGACATCCCCT TTGCGCGATTTGATGGGACAGTGGTCCACCCGCTTCTTGACCCCGATCTGCAGCTTCTT TTGCCCTCGGCCCGCTGGCCGGTNCACGGCGCTCAGGCAGATGGACAGTACTGTCAGG ACCCGNAACCAGCTCAGCCTCATGTCTCTCCTCGCCGCGCCCCGGAGTCAACCCCGTG GGTGCCCTCGTCCGAATTTCCCGCCGCTATAGTGAGTCGTATTACAAATTCTGACCG GTCATAAACGAGCTCTGCTTAATAAACCTCCACCGTACCGCCTACCGCCTTTGGCG TACCGGGCGGGTATTACCACTTCTGAAAGTCCCGGTGTTTTGGTGCCAAACAAACCC CCTTGACGCCATGGGGGGGACCTGGAATCCCCGCGAGTTAAACCGTTTCCCCCATT GGGTACCGCCAAACCGTTCCACTGGAATACGACCCCAATCCTTACGACTGGCAATAGGA AAGTCCGCCAGGCATGTCTGGTCTAAGTACGGGGCCCTTCCCCTTGACCCCATGGGG GCGCCTGGCATATACCCCGCGCCCGCCGGGCCT
Restriction Sites:	NotI-NotI
ACCN:	NM_004470
Insert Size:	640 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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_004470.2 , NP_004461.2
RefSeq Size:	808 bp
RefSeq ORF:	429 bp
Locus ID:	2286
UniProt ID:	P26885
Cytogenetics:	11q13.1
Domains:	FKBP

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This encoded protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. It is thought to function as an ER chaperone and may also act as a component of membrane cytoskeletal scaffolds. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Sep 2008]

Transcript Variant: This variant (1) represents the longest transcript. Variants 1 through 6 variants encode the same isoform.