

Product datasheet for **SC105971**

FKBP2 (M65128) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FKBP2 (M65128) Human Untagged Clone
Tag:	Tag Free
Symbol:	FKBP2
Synonyms:	FKBP-13; PPIase
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for M65128 edited ATGAGGCTGAGCTGGTTCCGGGTCCTGACAGTACTGTCCATCTGCCTGAGCGCCGTGGCC ACGGCCACGGGGCCGAGGGCAAAGGAAGCTGCAGATCGGGTCAAGAAGCGGGTGGAC CACTGTCCATCAAATCGCGCAAAGGGATGTCTGCACATGCACTACACGGGGAAGCTG GAAGATGGGACAGAGTTTGACAGCAGCCTGCCCAAGAACAGCCCTTTGTCTTCTCCCTT GGCACAGGCCAGGTCAAGGGCTGGGACCAGGGGCTGCTGGGGATGTGTGAGGGGGAA AAGCGCAAGCTGGTGATCCCATCCGAGCTAGGGTATGGAGAGCGGGGAGCTCCCCAAAG ATTCCAGGCGGTGCAACCCTGGTGTTCGAGGTGGAGCTGCTCAAATAGAGCGACGAACT GAGCTGTAA



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5' Read Nucleotide Sequence:

>OriGene 5' read for M65128 unedited
 TCATATTTTGTAAACGACTCACTATAGGGCGGCCGAAATTCGCACCAGGCGTGTGGC
 CGCGGGTTTCGCACGGTCCAATAAGGGAGGGCGGCGTGGCCCCGGCCTGGTAGCGACGAGG
 TACGCGCTGCGCAGAGGCGGCAGCACCACCGGGTTGACTCCGGGGCGCGGCGAGGAG
 AGACATGAGGCTGAGCTGGTCCGGTCCTGACAGTACTGTCCATCTGCCTGAGCGCCGT
 GGCCACGGCCACGGGGCCGAGGGCAAAAGGAAGCTGCAGATCGGGGTCAAGAAGCGGGT
 GGACCACTGTCCCATCAAATCGCGCAAAGGGGATGTCTGCACATGCACTACACGGGGAA
 GCTGGAAGATGGGACAGAGTTTGACAGCAGCCTGCCCCAGAACCAGCCCTTTGTCTTCTC
 CCTTGGCACAGGCCAGGTCATCAAGGGCTGGGACCAGGGGCTGCTGGGGATGTGTGAGGG
 GGAAAAGCGCAAGCTGGTGATCCCATCCGAGCTAGGGTATGGAGAGCGGGGAGCTCCCC
 AAAGATCCAGGCGGTGCAACCCTGGTGTTCGAGGTGGAGCTGCTAAAAAGAGCGACG
 AACTGAGCTGTAACCAGACTGGGAGGGGCAGGGNGGAGAGGCCCCCATCANGGACCAGA
 CTGTTCCAAAANAAAAACAAAAACAAAAACAAAAACAAAAACACTTAAAAGCCAAAAAA
 AAAAAAAAAAAAAAACTCGACTTAGATTGCGGCCGCGGTATAGCTGTTTCTGAACAG
 ATCCCCGGTGGCATCCCTGTGACCCCTNCCCAGTGCCTTCTGGCCCTGNAAGTTGCA
 CTTCAAGTCCACAGCCTTGTNCTAAATAATTAAGTTGCATCATTTTGTCTGACTAGGTG
 TCCTCATATATATGGGTGAGGGGGGGGGTGTNNNAAAAGGGCAANTTTGAAAAAA
 ACCTTTGGGGCTGGGGGTATTTGGAAACCACT

3' Read Nucleotide Sequence:

>OriGene 3' read for M65128 unedited
 GTACAGCTATGNNACCGCGCCGCATNCTAGNGATCGGTTTTTTTTTTTTTTTTTTTTT
 GCTTTTAAAGTGTTTTTTGTGTTTTGTTTTGTTTTTTTTTTTTTTTTTGGAACAGTCTGGTC
 CCTGATGGGGCCCTCTCCCCTGCCCTCCCAGTCTGGTTACAGCTCAGTTCGTGCTC
 TATTTTGAAGCAGCTCCACCTCGAACACCAGGGTGCACCCTGGAATCTTTGGGGGAGC
 TCCCCGCTCTCCATACCCTAACTCGGATGGGATCACCAGCTTGCCTTTTCCCCCTCACA
 CATCCCCAGCAGCCCTGGTCCCAGCCCTTGTGACCTGGCCTGTGCCAAGGGAGAAGAC
 AAAGGGCTGGTTCTGGGGCAGGCTGCTGTCAAACCTCTGTCCCCTTCCAGCTTCCCCGT
 GTAGTGATGTGCAGGACATCCCCTTTGCGCGATTTGATGGGACAGTGGTCCACCCGCT
 CTTGACCCGATCTGCAGCTTCCCTTTGCCCTCGGCCCGTGGCCGTGGCCACGGCGCT
 CAAGCAGATGGACAGTACTGTGAGGACCCGGAACAGCTCAGCCTCATGTCTCTCCTCGC
 CGCGCCCCGGAGTCAACCCCGGTGGTGTGCTGCCGCTCTGCGCAGGCGCTCCTCTCTCGC
 TACCAGGCCGGGCCACGCCGCCCTCCCTTATTGGACCGTGCGAAACCCGGGCCACACGC
 CCTGGTGCCGAATTCGGGCCGCCCTATAGTGAGTCGATTACAAAATTCTGACGGTTCA
 CTAACGAGCTCTGCTTATATAGACCTNCCACCGTACACGCCCTACCGCCATTTGCGTCA
 ACGGGGGCGGGTTATTACGACATTTTGGAAAGTCCCCTTGAATTTGGTGCACCAAAAC
 TCCATTGACGTCAATGGGGTGGAGACTGGAAATCCC

Restriction Sites:

NotI-NotI

ACCN:

M65128

Insert Size:

800 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:	<u>M65128.1</u> , <u>AAA58473.1</u>
RefSeq Size:	550 bp
RefSeq ORF:	426 bp
Locus ID:	2286
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]