

## Product datasheet for **SC118888**

### FKBP25 (FKBP3) (NM\_002013) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FKBP25 (FKBP3) (NM_002013) Human Untagged Clone
Tag:	Tag Free
Symbol:	FKBP25
Synonyms:	FKBP-3; FKBP-25; FKBP25; PPlase
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002013, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGCGGCCGTTCCACAGCGGGCGTGGACCGTGGAGCAGCTGCGCAGTGAGCAGCTGCCAAGAAGG
ACATTATCAAGTTTCTGCAGGAACACGGTTCAGATTCGTTTCTTGCAGAACATAAATTATTAGGAAACAT
TAAAAATGTGGCCAAGACAGCTAACAAGGACCACTTGTTACAGCCTATAACCATCTTTTGAACACTAAG
CGTTTTAAGGGTACTGAAAGTATAAGTAAAGTGTCTGAGCAAGTAAAAATGTGAAGCTTAATGAAGATA
AACCCAAAGAAACCAAGTCTGAAGAGACCCTGGATGAGGGTCCACCAAAATATACTAAATCTGTTCTGAA
AAAGGGAGATAAAACCACTTTCCCAAAAAGGGAGATGTTGTTCACTGCTGGTATACAGGAACACTACAA
GATGGGACTGTTTTGATACTAATTTCAAACAAGTGCAAGAAGAAGAAAAATGCCAAGCCTTTAAGTT
TTAAGGTCCGAGTAGGCAAAGTTATCAGAGGATGGGATGAAGCTCTTCTGACTATGAGTAAAGGAGAAAA
GGCTCGACTGGAGATTGAACCAGAATGGGCTTACGGAAAAGAAAGGACAGCCTGATGCCAAAATCCACCA
AATGCAAAACTCACTTTTGAAGTGAATTAGTGGATATTGATTGA
```



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_002013 unedited</p> <pre>AACCATCCCGCACGAGGCAGCGGGGATTTGGCGGCGGCCGTTCCACAGCGGGCGTGGAC CGTGGAGCATCTGCGCAGTGAGCATCTGCCAAGAAGGACATTATCAAGTTTCTGCAGGA ACACGGTTCATATTCGTTTCTTGCAACAATAAATTATTAGGAAACATTAATAATGTGGT TCTTACAGCTAACAAAGGACCTCTGGTTACAGCCTATAACCATCTTTTGAAACTAAGCG TTTTAAGGGTACTGAAAGTATAAGTAAAGTGTCTGAGCAAGTAAAAATGTGAAGCTTAA TGAAGATAAACCCAAAGAAACCAAGTCTGAAGAGACCTGGATGAGGGTCCACCAAATA TACTAAATCTGTTCTGAAAAAGGAGATAAAACCAACTTTCCAAAAAGGAGATGTTGT TCACTGCTGGTATACAGGAACACTACAAGATGGGACTGTTTTTGATACTAATATTCAAAC AAGTGCAAAGAAGAAGAAAAATGCCAAGCCTTTAAGTTTTAAGGTCGGAGTAGGCAAAGT TATCAGAGGATGGGATGAAGCTCTCTTGACTATGAGTAAAGGAGAAAAGGCTCGACTGGA GATTGAACCAGAATGGGCTTACGAAAGAAAGGACAGCCTGATGCCAAAATCCACCAA TGCAAACTCACTTTTGAAGTGAATTAGTGGATATTGATTGAAATAGCAGTGCTTCAGC TCTATGATATTAGCAACCATGATTAACCTGGCCCTGGAGATATTTACACAAGTATTA GAAACTGTTACTATTGAAAAGGAGAGTCAACTGGGAAAATTCAGGGAGTAATAAAAT TTGGTTACTTGGGCCAGCTTTTGAGAATAAATTCCTTATGGATCCCTGGTCTAAAAATCT TT</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_002013 unedited</p> <pre>TTTTGAGCCCTTAGTTTACAACATGAGGTAAAGGAAAAGTTCTCCTTGACCAGTATTTTA CACAGCTGTAGGAAAGTATTTTAGACCAGGATTCATAAGGGATTTATCTCTCAAAGCT GGGACCAAGTAAACAAATTTTATTAACCTCTGAATTTTCCAGTTGACTCTTCCCTTACA ATAGTAACAAGTTCTAACTAGTTGTGTAATTTCTTCAAGCCAAGTTTTATCATTGTTG CTAATATCCTTAGAGCTGAAGCACTGCTATTTCAATCAATATCCACTAATTCACCTCAA AAGTGAGTTTTGCATTTGGTGGAAATTTTGGCATCAGGCTGTCCTTTCTTTCCGTAAGCCC ATTCTGGTTCAATCTCCAGTCGAGCCTTTTCTCCTTACTCATAGTCAAGAGAGCTTCAT CCCATCCTCTGATAACTTTGCTACTCCGACCTTAAAACCTAAAGGCTTGGCATTTTTCT TCTTCTTTCGACTTGTGTAATATTAGTATCAAAAACAGTCCCATCTTGTAGTGTTCCTG TATACCAGCAGTGAACAACATCTCCCTTTTGGGAAAGTTGGTTTTATCTCCCTTTTCA GACCAGATTTAGTATATTTTGTGGACCCTCATCCAGGGTCTCCTTCAGACTTGGGTTCC TTTGGTCTATCTTCAATTAAGCTTACATTTTTTACTTGCTCAGACACTACTTATACTT TCAGTACCCTTAAAACGCTTAGTTTTTAAAACGATGGGTATTAGCTGTATCCAGGGGTCT GTTAGCTTGTGCGCCACTTTTTTATGTTCCCTATATTTTTGTTCTGCAAAACCAATTTGA CACGGTTCCTGTGAAACTTGCAATGTCCTTTTTGGCACCTGGTTATGTGCCATTGTTTAC GGGCAACCCCTTGGGAACGGCGGCCGATTTTCCCCTGGCCTTGTGCAATCTTGGTCC CCCTATAGGACGGTTTCCACAACCTGAGGTCTTAAAGAATTTGTTTTATACCTCCCC TCCCGCTTCG</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_002013
<b>Insert Size:</b>	1070 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_002013.2](#), [NP\\_002004.1](#)

**RefSeq Size:** 1420 bp

**RefSeq ORF:** 675 bp

**Locus ID:** 2287

**UniProt ID:** [Q00688](#)

**Cytogenetics:** 14q21.2

**Domains:** FKBP

**Protein Families:** Druggable Genome, Stem cell - Pluripotency

**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, as well as histone deacetylases, the transcription factor YY1, casein kinase II, and nucleolin. It has a higher affinity for rapamycin than for FK506 and thus may be an important target molecule for immunosuppression by rapamycin. [provided by RefSeq, Sep 2008]