

## Product datasheet for **SC320205**

### FKBP1B (NM\_054033) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** FKBP1B (NM\_054033) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** FKBP1B  
**Synonyms:** FKBP1L; FKBP12.6; OTK4; PKBP1L; PPIase  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_054033.1  
GCGAGCCGGAGCGACGGCGGGCTGGGGCCGGAGCCGAGCCGGGTCGGGCAGCAGCAGG  
GACCCCCAGAGCGGGCCTGTGGGACCGCTATGGGCGTGGAGATCGAGACCATCTCCC  
CCGGAGACGGAAGGACATTCCCCAAGAAGGCCAACGTGTGTGTGCACTACACAGGAA  
TGCTCCAAAATGGGAAGAAGTTTGATTCAATCCAGAGACAGAAACAACCTTTCAAGTTCA  
GAATTGGCAAACAGGAAGTCATCAAAGTTTTGAAGAGGGTGCAGCCAGCTGGTCCTC  
TTTCTCTCTCCCATCTGCCCATCCCTGCTAGATGAGCTTGGGGCAGAGGGCGAAGC  
TGACCTGCACCCCTGATGTGGCATATGGAGCCACGGGCCACCCCGGTGTCATCCCTCCCA  
ATGCCACCCTCATCTTTGACGTGGAGCTGCTCACTTAGAGTGAAGGCAGGAAGGAACTC  
AAGGTGGCTGGAGATGGCTGCTGCTCACCTCCTAGCCTGCTCTGCCACTGGGACGGCTC  
CTGCTTTTGGGGCTCTTGATCAGTGTGCTAACCTCACTGCCTCATGGCATCATCCATTCT  
CTCTGCCCAAGTTGCTCTGTATGTGTTGTCAGTGTTCATGCGAATTCTTGCTTGAGGAA  
ACTTCGGTTGCAGATTGAAGCATTTCAGGTTGTGCATTTTGTGTGATGCATGTAGTAGCC  
TTTCTGATGACAGAACACAGATCTCTTGTTCGCACAATCTACACTGCCTTACCTTCACT  
TAAACCACACACAAGGTGCTCAGACATGAAATGTACATGGCGTACCGTACACAGAGGG  
ACTTGAGCCAGTTACCTTTGCTGCTCACTTTCTCTTATAAAATCTGTTAGCTGCTCACT  
TAAACAATGTCCTCTTTGAGAAAATGTAATAAAGGCTCTGTGCTTGACAAAAAAAAA  
AAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_054033

**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).



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<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_054033.1</a> , <a href="#">NP_473374.1</a>
<b>RefSeq Size:</b>	972 bp
<b>RefSeq ORF:</b>	243 bp
<b>Locus ID:</b>	2281
<b>UniProt ID:</b>	<a href="#">P68106</a>
<b>Cytogenetics:</b>	2p23.3
<b>Domains:</b>	FKBP
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	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 highly similar to the FK506-binding protein 1A. Its physiological role is thought to be in excitation-contraction coupling in cardiac muscle. There are two alternatively spliced transcript variants of this gene encoding different isoforms. [provided by RefSeq, Jul 2008]