

## Product datasheet for **SC335175**

### FKBP6 (NM\_001281304) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FKBP6 (NM_001281304) Human Untagged Clone
Tag:	Tag Free
Symbol:	FKBP6
Synonyms:	FKBP36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335175 representing NM_001281304. Blue=Insert sequence Red=Cloning site Green=Tag(s)

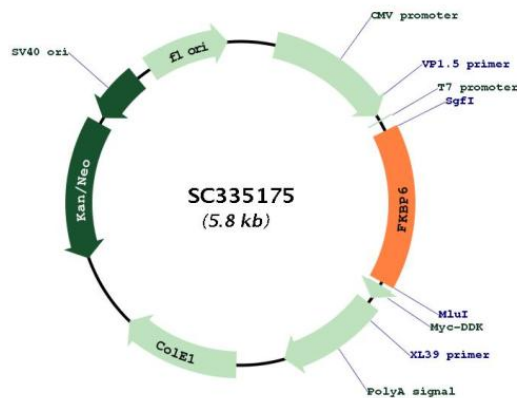
```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCTGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGGGGGAAGCGCGTTAAACCAGGGAGTCTGGAAGGGGACGACGCCCCCGCCAGTCCCTGTACGAG
CGGTTAAGTCAGAGGATGCTGGACATCTCGGGGACCGGGCGTGCTGAAGGACGTCATCCGAGAAGGA
GCTGGAGACCTAGTGGCGCCTGATGCTTCGGTGTAGATATTACACTGTGGGCGATGGAGCTGGGCCTT
CTGAGCATGCGGAGAGGAGAGCTGGCCAGGTTTCTGTTCAAACCGAACTACGCCTATGGAACGCTGGGC
TGCCCTCCCTTGATCCCCCAAACCACTGTCCTGTTTGAGATTGAGCTGCTTGACTTCCTGGACTGT
GCTGAGTCAGACAAGTTTGTGCTCTCTCAGCTGAGCAGCAAGACCAATTTCCACTTCAGAAGGTCCTG
AAAGTGGCAGCTACGGAACGGGAGTTTGCAACTACCTTTTCCGCCAGAATCGTTTCTATGATGCCAAA
GTGAGATATAAAGGGCCCTATTGCTTCTGCGCCGGCGATCAGCACCCCTGAAGAGCAGCACCTGGTG
GAGGCCGCAAGCTTCTGTTCTCTGAACCTGTCCTTTACATACCTGAAGCTAGACCGACCCACCATA
GCCCTGTGCTATGGAGAGCAGGCTTTGATCATTGACCAAAAGAATGCCAAGGCCCTTTCAGGTGTGGA
CAGGCTTGTCTTCTCTGACTGAGTATCAAAGGCCCGGATTTTCTAGTTCGAGCCAGAAGGAGCAA
CCCTTCAATCATGACATCAATAATGAGCTGAAGAACTGGCTAGCTGTTACAGGGACTATGTGGATAAA
GAGAAAGAAATGTGCCACCGCATGTTTCGCGCCCTGTGGCGATGGTTCTACAGCAGGAGAAAGT TGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: Sgfl-MluI



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## Plasmid Map:



ACCN: NM\_001281304

Insert Size: 894 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:

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\\_001281304.1](#)

RefSeq Size: 1550 bp

RefSeq ORF: 894 bp

Locus ID: 8468

UniProt ID: [O75344](#)

**Cytogenetics:** 7q11.23

**MW:** 33.6 kDa

**Gene Summary:** The protein encoded by this gene is a cis-trans peptidyl-prolyl isomerase that may function in immunoregulation and basic cellular processes involving protein folding and trafficking. This gene is located in a chromosomal region that is deleted in Williams-Beuren syndrome. Defects in this gene may cause male infertility. There are multiple pseudogenes for this gene located nearby on chromosome 7. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]  
Transcript Variant: This variant (3) lacks an alternate in-frame exon, compared to variant 1. The encoded isoform (c) is shorter than isoform a.