

Product datasheet for **SC325770**

FKBP6 (NM_001135211) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FKBP6 (NM_001135211) 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:	>SC325770 representing NM_001135211. Blue=Insert sequence Red=Cloning site Green=Tag(s)

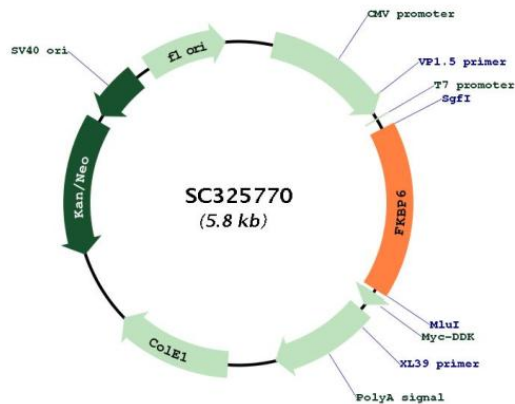
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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGAGTGCCTCCTCGTGGCCCCAGAATGGAATGCCCGCGTCGTCCTGTACGAGCGGTTAAGTCAGAGG
ATGCTGGACATCTCGGGGACCGGGGCGTGCTGAAGGACGTCATCCGAGAAGGAGCTGGAGACCTAGTG
GCGCCTGATGCTTCGGTGCTAGTGAAATACTCGGGATACCTGGAACACATGGACAGACCCTTCGATTCT
AATTACTTTAGGAAAACCTCGGCTAATGAAACTTGAGAGGATATTACACTGTGGGCATGGAGCTG
GGCCTTCTGAGCATGCGGAGAGGAGAGCTGGCCAGGTTTCTGTTCAAACCGAACTACGCCTATGGAACG
CTGGGCTGCCCTCCCTTGATCCCCCAAACACCACTGTCTGTTGAGATTGAGCTGCTTGACTTCCTG
GACTGTGCTGAGTCAGACAAGTTTTGTGCTCTCTCAGCTGAGCAGCAAGCAATTTCCACTTCAGAAG
GTCTGAAAGTGCCAGCTACGGAACGGGAGTTTGCAACTACCTTTCCGCCAGAATCGTTTCTATGAT
GCCAAAGTGAGATATAAAGGGCCCTATTGCTTCTGCGCCGGCGATCAGCACCCCTGAAGAGCAGCAC
CTGGTGGAGGCCCAAGCTTCTGTTCTCCTGAACCTGTCTTTACATACCTGAAGCTAGACCGACCC
ACCATAGCCCTGTGCTATGGAGAGCAGGCTTTGATCATTGACCAAAAAGATGCCAAGGCCCTTTCAGG
TGTGGACAGGCTTGCTTCTCCTGACTGAGTATCAAAAGGCCGGGATTTTCTAGTTCGAGCCAGAAAG
GAGCAACCCTTCAATCATGACATCAATAATGAGCTGAAGAAACTGGCTAGCTGTTACAGGGACTATGTG
GATAAAGAGAAAAGAAATGTGCCACCGCATGTTCCGCCCTGTGGCGATGGTTCTACAGCAGGAGAAAAGT
TGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001135211

Insert Size: 969 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).

OTI Annotation: 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.

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_001135211.2](#)

RefSeq Size: 1549 bp

RefSeq ORF: 969 bp

Locus ID: 8468

UniProt ID: [O75344](#)

Cytogenetics: 7q11.23

MW: 36.9 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 (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate upstream start codon, compared to variant 1. The encoded isoform (b) is shorter and has a distinct N-terminus, compared to isoform a.