

## Product datasheet for **SC324800**

### FKBP7 (NM\_001135212) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FKBP7 (NM_001135212) Human Untagged Clone
Tag:	Tag Free
Symbol:	FKBP7
Synonyms:	FKBP23; PPIase
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC324800 representing NM_001135212. Blue=Insert sequence Red=Cloning site Green=Tag(s)

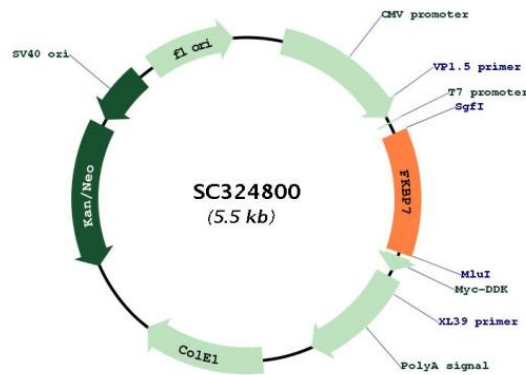
```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCAAAACCATGCATTTCTTATTTCAGATTCATTGTTTTCTTTTATCTGTGGGCCTTTTTACTGCT
CAGAGACAAAAGAAAGAGGAGAGCACCGAAGAAGTAAAAAGAGTTTGCATCGTCCAGAAAACCTGC
TCTAAGACAAGCAAGAAGGGAGACCTACTAAATGCCATTATGACGGCTACCTGGCTAAAGACGGCTCG
AAATTCTACTGCAGCCGGACACAAAATGAAGGCCACCCAAATGGTTTGTCTTGGTGTGGCAAGTC
ATAAAAGGCTAGACATTGCTATGACAGATATGTGCCCTGGAGAAAAGCGAAAAGTAGTTATACCCCT
TCATTTGCATACGAAAGGAAGGCTATGAAGGCAAGATCCACCGGATGCTACATTGATTTTTGAGATT
GACTTTATGCTGTGACCAAGGACCACGGAGCATTGAGACATTTAAACAATAGACATGGACAATGAC
AGGCAGCTCTCTAAAGCCGAGATAAACCTCTACTTGCAAAGGGAATTTGAAAAGATGAGAAGCCACGT
GACAAGTCATATCAGGATGCAGTTTTAGAAGATATTTTAAAGAAGAATGACCATGATGGTATGGCTTC
ATTTCTCCAAGGAATACAATGTATACCAACACGATGAACTAAG
ACGCGTACGCGGCCGCTCGAGCAGAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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## Plasmid Map:



**ACCN:** NM\_001135212

**Insert Size:** 666 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\\_001135212.1](#)

RefSeq Size:	2901 bp
RefSeq ORF:	666 bp
Locus ID:	51661
UniProt ID:	<a href="#">Q9Y680</a>
Cytogenetics:	2q31.2
Protein Families:	Druggable Genome, Transmembrane
MW:	25.7 kDa
Gene Summary:	<p>The protein encoded by this gene belongs to the FKBP-type peptidyl-prolyl cis/trans isomerase (PPIase) family. Members of this family exhibit PPIase activity and function as molecular chaperones. A similar protein in mouse is located in the endoplasmic reticulum and binds calcium. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region, compared to variant 1. The resulting isoform (b) is 1 amino acid shorter than isoform a.</p>