

Product datasheet for **SC322986**

FBP1 (NM_001127628) Human Untagged Clone

Product data:

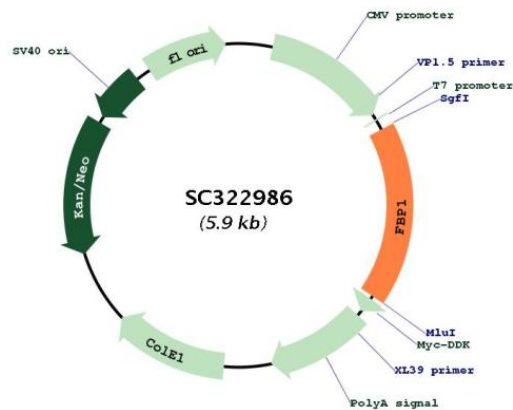
Product Type:	Expression Plasmids
Product Name:	FBP1 (NM_001127628) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBP1
Synonyms:	FBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC322986 representing NM_001127628. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGACCAGGCGCCCTTCGACACGGGACGTCAACACCCTGACCCGCTTCGTCATGGAGGAGGGCAGG
AAGGCCCGCGGCACGGGCGAGTTGACCCAGCTGCTCAACTCGCTCGCACAGCAGTCAAAGCCATCTCT
TCGGCGGTGCGCAAGGCGGGCATCGCGCACCTCTATGGCATTGCTGGTTCTACCAACGTGACAGGTGAT
CAAGTTAAGAAGCTGGACGTCCTCTCCAACGACCTGGTTATGAACATGTTAAAGTCATCCTTTGCCACG
TGTGTTCTCGTGCAGAAGAAGATAAACACGCCATCATAGTGAAACCGGAGAAAAGGGTAAATATGTG
GTCTGTTTGTATCCCTTGATGGATCTTCCAACATCGATTGCCTTGTGTCCGTTGGAACCATTTTTGGC
ATCTATAGAAAGAAATCAACTGATGAGCCTTCTGAGAAGGATGCTCTGCAACCAGGCCGGAACCTGGTG
GCAGCCGGCTACGCACTGTATGGCAGTGCCACCATGCTGGTCTTGCATGGACTGTGGGTCAACTGC
TTCATGCTGGACCCGGCCATCGGGGAGTTCATTTTGGTGGACAAGGATGTGAAGATAAAAAAGAAAGGT
AAAATCTACAGCCTTAACGAGGGCTACGCCAGGGACTTTGACCCTGCCGCTCACTGAGTACATCCAGAGG
AAGAAGTTCACCCAGATAATTCAGTCCCTATGGGGCCCGGTATGTGGGCTCCATGGTGGCTGATGTT
CATCGCACTCTGGTCTACGGAGGGATATTTCTGTACCCCGCTAACAGAAGAGCCCAATGGAAAGCTG
AGACTGCTGTACGAATGCAACCCCATGGCTACGTCATGGAGAAGGCTGGGGGAATGGCCACCCTGGG
AAGGAGGCCGTGTTAGAGCTCATTCCACAGACATTCACCAGGGCGCCGGTATCTTTGGGATCCCCC
GACGACGTGCTCGAGTTCTGAAGGTGATGAGAAGCACTGCCCCAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:


ACCN: NM_001127628

Insert Size: 1017 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_001127628.1](#)

RefSeq Size: 1546 bp

RefSeq ORF: 1017 bp

Locus ID: 2203

UniProt ID:	<u>P09467</u>
Cytogenetics:	9q22.32
Protein Families:	Druggable Genome, Stem cell - Pluripotency
Protein Pathways:	Fructose and mannose metabolism, Glycolysis / Gluconeogenesis, Insulin signaling pathway, Metabolic pathways, Pentose phosphate pathway
MW:	36.8 kDa
Gene Summary:	<p>Fructose-1,6-bisphosphatase 1, a gluconeogenesis regulatory enzyme, catalyzes the hydrolysis of fructose 1,6-bisphosphate to fructose 6-phosphate and inorganic phosphate. Fructose-1,6-diphosphatase deficiency is associated with hypoglycemia and metabolic acidosis. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.</p>