

Product datasheet for **SC303387**

FBP2 (NM_003837) Human Untagged Clone

Product data:

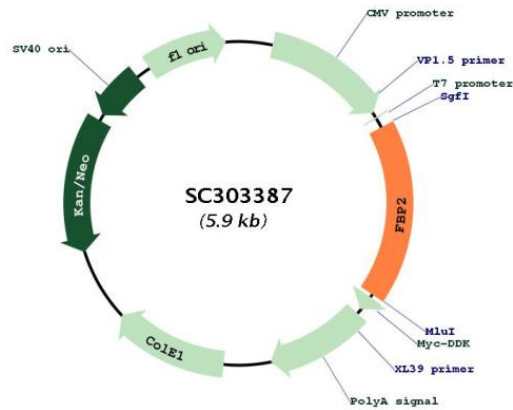
Product Type:	Expression Plasmids
Product Name:	FBP2 (NM_003837) Human Untagged Clone
Tag:	Tag Free
Symbol:	FBP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303387 representing NM_003837. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACGGACAGAAGCCCTTCGAAACCGACATGCTCACCTGACCCGCTACGTTATGAAAAAGGGCGT
CAGGCCAAAGGGACTGGGGAGCTCACCCAGCTGCTGAACCAATGCTGACGGCCATCAAAGCCATCTCC
TCGGCTGTGCGCAAGGCCGGTCTGGCCACCTGTATGGAATCGCAGGAAGCGTTAACGTGACGGGAGAT
GAGGTGAAGAACTGGATGTGCTATCCAATCCCTGGTGATCAACATGGTCCAATCCTCCTATAGTACC
TGCGTCTGGTCTCAGAAGAGAATAAGGACGCCATCATCACCCCAAGGAGAAGCGGGGAAATACGTG
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GCCGCAGTTATGCGCTGTACGGTAGTGCAACCCTGGTGGCTCTCTCCACAGGGCAAGGCGTGGACCTC
TTCATGCTTGACCCGGCTCTTGGTGAATTTGCTCCTGGTGGAAAAAGATGTCAAGATTAAGAAGAAAGGA
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CACCGCACCTGGTCTATGGAGGAATCTCCTGTACCCAGCCAACCAGAAGGCCCTAAGGGCAAGCTC
CGGCTCCTGTATGAATGCAATCCCGTGGCCTACATCATTGAGCAGGCAGGAGGCTTGGCGACCACGGGG
ACCCAGCCTGTACTGGACGTGAAGCCCAGGCAATTCACCAGCGAGTCCCCTCATTCTGGGGTACCA
GAGGATGTGCAGGAATATCTCACCTGTGTGCAGAAAAATCAGGCAGGCAGCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



[View online »](#)

Plasmid Map:


ACCN: NM_003837

Insert Size: 1020 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_003837.3](#)

RefSeq Size: 1367 bp

RefSeq ORF: 1020 bp

Locus ID:	8789
UniProt ID:	O00757
Cytogenetics:	9q22.32
Protein Families:	Druggable Genome
Protein Pathways:	Fructose and mannose metabolism, Glycolysis / Gluconeogenesis, Insulin signaling pathway, Metabolic pathways, Pentose phosphate pathway
MW:	36.7 kDa
Gene Summary:	This gene encodes a gluconeogenesis regulatory enzyme which catalyzes the hydrolysis of fructose 1,6-bisphosphate to fructose 6-phosphate and inorganic phosphate. [provided by RefSeq, Jul 2008]