

Product datasheet for **MC201048**

Fbp1 (NM_019395) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fbp1 (NM_019395) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fbp1
Synonyms: Fbp-2; Fbp2; Fbp3
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC011480 sequence for NM_019395
 CTGAACGGCTTTTCAGTCTTCCCCTGTGACTATCACCTGTGGGCTCCACCTGCCTGCACCTTTAGTCAGC
 ACCTTTAGCCAGCACCTGCGCCAGACCCAGCAATGGCGAACCATGCGCCCTTCGAAACGGATATCAGCA
 CCCTGACCCGCTTCGTCAATGGAGCAGGGCAGGAAGGCTCAGGGCACGGGGAGTTGACCCAGCTGTGAA
 TTCGCTCTGCACCGCATCAAAGCCATCTCGTCTGCGGTGCGCCAGGCGGGCATCGCACAGCTCTATGGT
 ATCGCTGGCTCAACCAATGTGACTGGGGATCAAGTAAAGAAGCTGGACATACTTTCCAATGACCTGGTGA
 TCAATATGCTGAAGTCGTCTACGCTACCTGTGTTCTTGTGTCTGAAGAAAACACAAATGCCATCATAAT
 CGAACCTGAGAAGAGGGGCAAATATGTTGTCTGTTTTCGATCCCCTTGATGGCTCATCAACATTGACTGC
 CTTGTGTCCATCGGAACCATTTTTGGCATTACAGAAAGAAAAGTACTGATGAGCCTTCTGAGAAGGATG
 CTCTGCAGCCCGCCGGACCTGGTGGCAGCCGGGTATGCGCTCTATGGCAGTGCACCATGTTGGTCTCT
 TGCCATGGATTGGTGTCAACTGCTTCATGCTGGACCCGTCCATTGGAGAATTCATTATGGTGGACAGG
 GACGTGAAGATGAAGAAGAAAGTAACATCTACAGCCTTAATGAGGGTTATGCCAAGGACTTTGACCCTG
 CCATCAATGAGTATCTCCAGAGGAAAAAGTTCCCTCCGGATGGTTCAGCCCCCTATGGTGCCCGGTATGT
 GGGGTCCATGGTGGCTGATATTCACCGCACTCTGGTATATGGAGGGATCTTTTTATACCCCGCAACAAG
 AAAAGCCCAAGTGAAAGCTGCGGCTGTGATGAGTGCAACCCCATAGCTTATGTCATGGAGAAGGCCG
 GTGGGCTCGCCACCACGGGGGACAAAGATATATTAGACATCGTTCCCACCGAGATCCACCAGAAGGCACC
 AGTCGTATGGGGTCTCTGAAGATGTGCAGGAGTTCCTGGAGATCTACAGGAAGCACAAAGCCAAGTGA
 AGGCCGGCCTTGCCCTGCCAGAGCAGAGCTCAAGTACGCTACTCCATTCTGCATGTTGTACATTCC
 TAGAAAACAAACCTAACAGCGTGGATAGTTTACAGCTTAATGCTTTGCAATGCCAAGGTCACTTCATCC
 TCATGCTATAATGCCACTGTATCAGGTAATATATTTTTGAGTAGGTGAAGGAGCAGTAACACATCTTT
 CCTTTATAAAATAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_019395
Insert Size: 1017 bp



[View online »](#)

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:	<ol style="list-style-type: none">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:	BC011480 , AAH11480
RefSeq Size:	1357 bp
RefSeq ORF:	1017 bp
Locus ID:	14121
UniProt ID:	Q9QXD6
Cytogenetics:	13 B3
Gene Summary:	Catalyzes the hydrolysis of fructose 1,6-bisphosphate to fructose 6-phosphate in the presence of divalent cations, acting as a rate-limiting enzyme in gluconeogenesis. Plays a role in regulating glucose sensing and insulin secretion of pancreatic beta-cells. Appears to modulate glycerol gluconeogenesis in liver. Important regulator of appetite and adiposity; increased expression of the protein in liver after nutrient excess increases circulating satiety hormones and reduces appetite-stimulating neuropeptides and thus seems to provide a feedback mechanism to limit weight gain.[UniProtKB/Swiss-Prot Function]