

Product datasheet for **RR203095**

Fbp1 (NM_012558) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbp1 (NM_012558) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fbp1
Synonyms:	Fdp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR203095 representing NM_012558 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGGACCATGCGCCCTTCGAAACGGATATCAGCACCTGACCCGCTTCGTCCTGGAGGAGGGCAGGA
AGGCTGGGGCACGGGCGAGATGACCCAGCTGCTGAATTCGCTCTGCACCGCGATCAAAGCCATCTCGTC
AGCGGTGCGCCAGGCCGCGATCGCTCAGCTCTATGGCATCGCTGGCTCAACCAATGTGACTGGGGATCAA
GTGAAGAAGCTGGACATACTTTCCAATGACCTGGTGATCAATATGCTGAAGTCGTCTATGCTACCTGTG
TCCTTGTGTCGGAAGAAGATACACACGCCATCATAATAGAGCCCAGAGAAGAGGGGCAAATATGTTGTCTG
TTTTGATCCCCTCGATGGCTCATCCAACATCGACTGCCTCGCGTCCATCGGAACCATCTTTGGCATTAC
AGAAAGACATCTGCTAATGAGCCTTCGGAGAAAGATGCTCTGCAGCCAGGCAGGAACCTGGTGGCAGCAG
GCTATGCACTCTATGGCAGCGCCACCATGTTGGTCTGGCCATGAATTGTGGCGTCAACTGCTTCATGCT
GGACCCGTCCATTGGAGAATTCATTTGGTGGACAGGGATGTGAAGATCAAGAAGAAAGGTAACATCTAC
AGCATAATGAGGGCTATGCTAAGGACTTTGACCCTGCCATCAATGAGTATATCCAGAGGAAAAAGTTCC
CTCCGGATAATTCAGCTCCCTATGGTGCCCGGTATGTGGGGTCCATGGTGGCTGATGTTCCACCGCACTCT
GGTGTATGGAGGGATCTTCTTATACCCTGCCAACAAGAAAAATCCATCTGGAAAGCTGCGGCTGCTGTAC
GAGTGCAATCCCATCGCTTACGTCATGGAGAAGGCCGGTGGACTTGCCACGACGGGAATGAAGACATAT
TAGACATCGTCCCCTGAGATCCACCAGAAGGCACCAAGTTATCATGGGGTCCACCGAAGACGTGCAGGA
GTTCTGGAGATCTACAATAAGGACAAAGCCAAATCAAGGCCGTCCCTGCCCTGCCCCAGAGCAGAGCT
CGAGAGTCACCGGTCCATTCTATCTGTGACGAACCTTTTC

ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203095 representing NM_012558
 Red=Cloning site Green=Tags(s)

MVDHAPFETDISTLTRFVLEEGRKAGGTGEMTQLLNSLCTAIKAISSAVRQAGIAQLYGIAGSTNVTGDQ
 VKKLDILSNDLVINMLKSSYATCVLVSEEDTHAIIIEPEKRGKYVVCDFPLDGSSNIDCLASIGTIFGIY
 RKT SANEPSEKDALQPRNLVAAGYALYGSATMLVLMNCGVNCFMLDPSIGEFILVDRDVKIKKGNIIY
 SINEGYAKDFDPAINEYIQRKKFPPDNSAPYGARVYVGSVMADVHRTL VYGGIFL YPANKKNPSGKLRLLY
 ECNPIAYVMEKAGGLATTGNEDILDIVPTEIHQKAPVIMGSTEDVQEFLEIYNKDKAKSRPSLPLPQSRA
 RESPVHSICDEL F

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

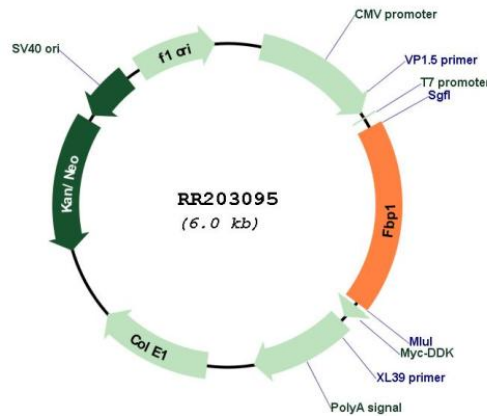
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_012558

ORF Size:	1089 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_012558.3 , NP_036690.2
RefSeq Size:	1474 bp
RefSeq ORF:	1092 bp
Locus ID:	24362
UniProt ID:	P19112
Cytogenetics:	17p14
MW:	39.6 kDa
Gene Summary:	catalyzes the hydrolysis of fructose 1,6-bisphosphate to fructose 6-phosphate and inorganic phosphate in gluconeogenesis [RGD, Feb 2006]