

Product datasheet for **MG205387**

Fbp2 (NM_007994) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fbp2 (NM_007994) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fbp2
Synonyms:	Fbp-1; Fbp1; Rae-30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205387 representing NM_007994 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGGACAGAAGCCCTTTGAGACAGACATGCTGACCCTGACCCGTTACGTTATGGAAAAGGGGCGAC
AGGCCAAAGGGACCGGAGAAGCTCACCCAGCTGCTCAACTCGATGCTGACTGCCATCAAAGCCATCTCTTC
CGCAGTGCACAAGGCCGGCCTGGCCAACCTGTATGGGATTTCCGGGAGCGTGAATGTGACAGGAGATGAG
GTGAAGAACTGGACGTGCTGTCCAACCTCCCTGGTCATCAACATGCTTCAGTCTCCTACAGCACCTGTG
TGCTCGTCTCCGAAGAGAATAAAGAGGGCGGTGATCACAGCCAGGAGAGGGGGAAATATGTGGTTTG
CTTTGACCCTCTGGATGGATCTTCAAACATTGACTGCCTGGCCTCCATCGGAACTATATTTGCTATTTAC
AGAAAGACCACGGAGGATGAGCCTTCTGAGAAGGATGCCTTGCAGCCTGGCCGCAACATCGTGGCTGCGG
GTTATGCACTGTATGGTAGTGAACCTGGTCGCTCTTTCCACAGGACAAGGAGTAGATCTCTTCATGCT
GGACCCGGCTCTTGAGAATTCGTGCTAGTGGAAAAAGATGTCCGGATTAAGAAGAAAGGGAAAAATTTT
AGCCTCAACGAGGGCTATGCCAAGTATTTGATGCTGCTACTGCTGAGTATGTACAGAAAAAGAAATTC
CCGAGGATGGCAGTGGCCTTATGGAGCCAGGTACGTGGGTTCCATGGTGGCTGATGTGCATCGCACCT
GGTCTATGGAGGAATCTTCATGTACCCAGCCAACCAGAAGAGTCTAATGGCAAGCTCCGGCTCCTGTAT
GAATGCAATCCTGTGCCCTATATCATCGAGCAAGCAGGAGTATGGCAACCACAGGCACCCAGCCAGTAC
TGGATGTGAAACCTGAGAGTATTCACCAGCGAGTCCCCCTCATTCTGGGGTCCCCGAGGATGTGCAAGA
GTATCTCAGCTGTGTGCAGAGAAACCAGGCAGGCAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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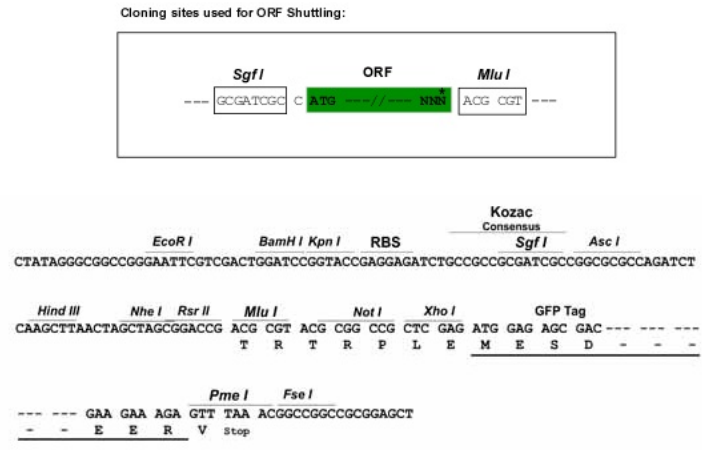
Protein Sequence: >MG205387 representing NM_007994
 Red=Cloning site Green=Tags(s)

MTDRSPFETDMLTLTRYVMEKGRQAKGTGELTQLLNSMLTAIKAISSAVRKAGLANLYGISGSVNVVTGDE
 VKKLDVLSNSLVINMLQSSYSTCVLVSEENKEAVITAQERRGKYVVCFDPLDGSSNIDCLASIGTIFAIY
 RKTTTEDEPSEKDALQPRNIVAAGYALYGSATLVALSTGQGVDFMLDPALGEFVLVEKDVRIKKKGIKIF
 SLNEGYAKYFDAATAEYVQKKKFPEDGSAPYGARYVGSMAVDVHRTL VYGGIFMYPANQKSPNGKLRLLY
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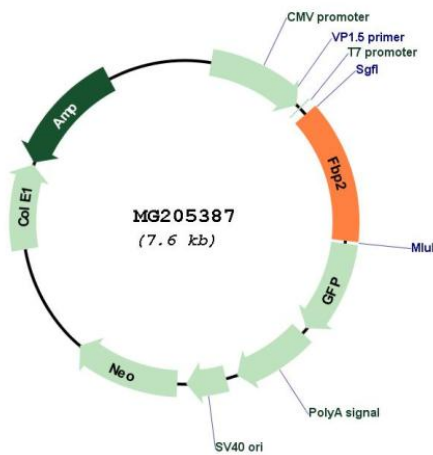
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_007994

ORF Size: 1017 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_007994.2 , NP_032020.2
RefSeq Size:	1296 bp
RefSeq ORF:	1020 bp
Locus ID:	14120
UniProt ID:	P70695
Cytogenetics:	13 B3
Gene Summary:	Catalyzes the hydrolysis of fructose 1,6-bisphosphate to fructose 6-phosphate in the presence of divalent cations and probably participates in glycogen synthesis from carbohydrate precursors, such as lactate.[UniProtKB/Swiss-Prot Function]