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Product datasheet for RR208878

Pfkp (NM_206847) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pfkp (NM_206847) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pfkp
Synonyms:	ATP-PFK; PFK-C; PFK-P; pfkc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

View online »

ORF Nucleotide Sequence:

>RR208878 representing NM_206847
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTGACCAGGACTCTTCGACGTCCAGCACCTCCTTTCCGAAGTACCTGGAGCACCTCTCTGGGGATG
GCAAAGCCATCGGTGTCCTGACCAGCGGCGGGGATGCCCAAGGCATGAATGCTGCTGTCCGTGCTGTGGT
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TCAGACGTAGGCAAGCTGGAGCCGGTGCATAACCACGGAGAACTATCAGCCATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208878 representing NM_206847
Red=Cloning site Green=Tags(s)

MSDQDSSTSSTSFPKYLEHLSGDGKAIGVLTSGGDAQGMNAAVRAVVRMGIYTGAKVYFIYEGYQGMVDG
GSNIVEAKWECVSSILQVGGTIIGSARCQAFRSREGRLKAACNLVRLGITNLCVIGGDGSLTGANLFRKE
WSGLLEELAKNGEIDSDTVKKHAYLNVVGMVGSIDNDFCGTDMTIGTDSALHRIIEVVDAIMTTAQSHQR
TFVLEVMGRHCGYLALVSALACGADWVFLPESPPEEGWEEEMCLKLSENRARKKRLNIIIVSEGAIDTQN
KPITSEKIKELVVTNLGFDTRVTILGHVQRGGTPSAFDRILASRMGVEAVLALLEATPETPACVVSLRGN
QAVRLPLMECVQMTQDVQKAMDERRFDEAVKLRGRSFEGNLNTYKRLAIKEPDDKIPKSNCNVAIINVGA
PAAGMNAAVRSAVRVGIAEGHKMFAIYDGFDGLANGQIKEIGWGDVGGWTGQGGSILGTKRTLPGKYLEK
IAEQMHSKNINALLIIGGFEAYLGLLELAAARNKHEAFCVPMVMVPATVSNNVPGSDFSIGADTALNTIT
DTCDRIKQSASGTKRRVFIIETMGGYCGYLANMGGLAAGADAAYIFEEQFDIRDLQSNVMHLTEKMKTSI
QRGLVLRNENCSVNYTTDFIYQLYSEEGKGVFDCRKNVLGHMQQGGAPSPFDRNFGTKISAKAMEWISAK
LKGSHGTGKKFVSDDSICVLGIQKRDLLFKPVAELRKATDFEHRIPKQQWWLKLRPIMKILAKYEASYDM
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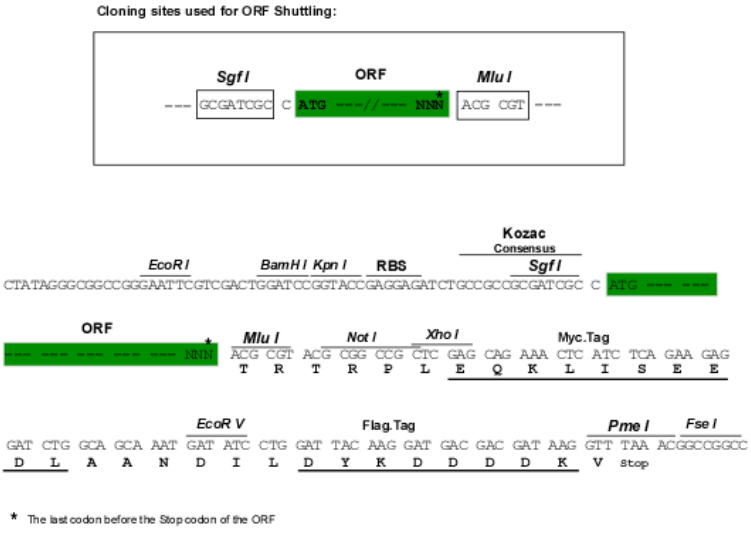
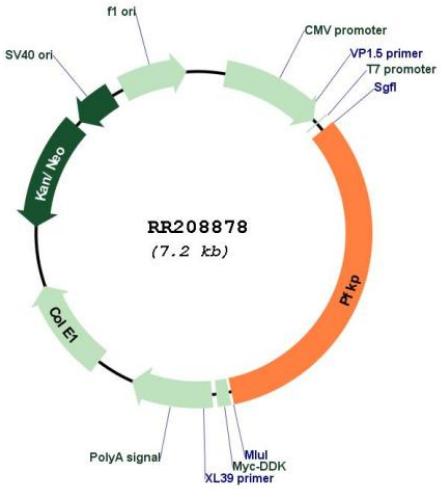
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_206847
ORF Size:	2364 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:	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_206847.1, NP_996729.1
RefSeq Size:	2712 bp
RefSeq ORF:	2367 bp
Locus ID:	60416
UniProt ID:	P47860
Cytogenetics:	17q12.2

MW:	85.7 kDa
Gene Summary:	catalyzes the conversion of fructose 6-phosphate (Fru 6-P) to fructose 1,6-bisphosphate [RGD, Feb 2006]