

Product datasheet for **RR208433**

Fkbp1a (NM_013102) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fkbp1a (NM_013102) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fkbp1a
Synonyms: Fkbp2; FKBP12
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208433 representing NM_013102
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGAGTGCAGGTGGAGACCATCTCTTCTGGAGACGGGCGCACCTTCCGAAGCGCGCCAGACCTGCG
TGGTACACTACACGGGGATGCTTGAAGATGGGAAGAAATTTGACTCCTCTCGGGACAGAAACAAGCCTTT
TAAGTTTACACTAGGCAAGCAGGAGGTGATCCGAGGCTGGGAAGAAGGGGTAGCCAGATGAGTGTGGGC
CAGAGAGCCAAACTGATAATCTCCCAGACTATGCCTATGGAGCCACCGGCACCCAGGCATCATCCAC
CACATGCTACTCTTGTTTTGATGTGGAGCTTCTAAAAGTGGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208433 representing NM_013102
Red=Cloning site Green=Tags(s)

MGVQVETISSGDGRTPFKRGQTCVVHYTGMLLEDGKKFDSSRDNRNPKFKFTLGKQEVIRGWEEGVAQMSVG
QRAKLIISPDYAYGATGHPGIIPPHATLVFDVELLKLE

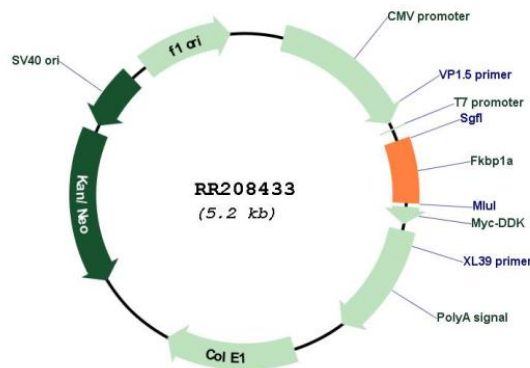
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_013102

ORF Size: 324 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:	<u>NM_013102.3</u> , <u>NP_037234.2</u>
RefSeq Size:	1522 bp
RefSeq ORF:	327 bp
Locus ID:	25639
UniProt ID:	<u>Q62658</u>
Cytogenetics:	3q41
MW:	11.9 kDa
Gene Summary:	mediates islet microsome Ca ²⁺ release through binding to ryanodine receptor (RyR) and catalyzes the cis-trans isomerization of peptidyl-prolyl amide peptide bonds [RGD, Feb 2006]