

Product datasheet for **RN208433**

Fkbp1a (NM_013102) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fkbp1a (NM_013102) Rat Untagged Clone
Tag: Tag Free
Symbol: Fkbp1a
Synonyms: Fkbp2; FKBP12
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN208433 representing NM_013102
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGAGTGCAGGTGGAGACCATCTCTTCTGGAGACGGGCGCACCTTCCGAAGCGCGCCAGACCTGCG
TGGTACACTACACGGGGATGCTTGAAGATGGGAAGAAATTTGACTCCTCTCGGGACAGAAACAAGCCTTT
TAAGTTTACACTAGGCAAGCAGGAGGTGATCCGAGGCTGGAAGAAGGGGTAGCCAGATGAGTGTGGGC
CAGAGAGCCAAACTGATAATCTCCCAGACTATGCCTATGGAGCCACCGGCACCCAGGCATCATCCAC
CACATGCTACTCTTGTGTTTGGTGGAGCTTCTAAAAGTGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_013102

Insert Size: 327 bp

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:

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_013102.3](#), [NP_037234.2](#)

RefSeq Size: 1522 bp

RefSeq ORF: 327 bp

Locus ID: 25639

UniProt ID: [Q62658](#)

Cytogenetics: 3q41

Gene Summary: mediates islet microsomal Ca²⁺ release through binding to ryanodine receptor (RyR) and catalyzes the cis-trans isomerization of peptidyl-prolyl amide peptide bonds [RGD, Feb 2006]