

JSRP1 cDNA

Catalog Number: ATGD0214

PRODUCT INFORMATION

Catalog number

ATGD0214

Product type

cDNA

Species

Human

NCBI Accession No.

NP_653217.1

Alternative Names

JP-45, JP45

mRNA Refseq

NM_144616.3

OMIM

608743

Chromosome location

19p13.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

996bp

Preparation before usage

1. Centrifuge at 7000rpm for 1 minute.
 2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
- Each tube contains approximately 10ug of lyophilized plasmid.

Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector

pATGen (puc19-derived cloning vector)

General Description

JSRP1 cDNA

Catalog Number: ATGD0214

The protein encoded by JSRP1 is involved in excitation-contraction coupling at the sarcoplasmic reticulum. The encoded protein can interact with CACNA1S, CACNB1, and calsequestrin to help regulate calcium influx and efflux in skeletal muscle.

DATA

Sequence nucleotides

```
ATGTCCATGACAACCAGAGCCTGGGAGGAGCTGGATGGCGGCCTGGGCAGCTGCCAGGCCCTGGAGGACCACTCTGCGCT
GGCCGAGACCCAGGAGGACAGGGCTTCAGCGACACCCAGGCTGGCCGACTCCGGCAGCGTGCCCCACGACTCTCAGGTG
GCTGAAGGCCCCAGTGTGGACACCAGGCCCAAGAAGATGGAAGAGAGCCTGCCGCCAGGGGGACCCCAGGAACGGGGA
AGGAGAGGCTGAAAGCCGGAGCGAGCCCTCGGAGCGTCCCCGCGCGCAAGAAGGCGCAGACCCGCGCCGCCCTGCAGCC
GCCGCCGCCGCCCGGCCCTGAGCGAGGAGCTGCCCTGGGGAGACCTGTCGCTCAACAAGTGCCTGGTGCTCGCCTCGC
TGGTGGCGCTGCTGGGCTCGGCTTTCCAGCTGTGCCGCGACGCCGTCCCTGGGGAGGCAGCACTCCAAGCACGTGTGCCC
GAGCCCTGGGTCCCGCCAAGCTCAGCCCCGAGGGAGCCATCGTCGCCCTGCCTAAGTTCGAGGCCCAGGCGCCTCCATC
AGCGCCGCCTGCGCCCCGGGCCGAGGCAGAGGTCAGACCCAAGATTCCCGGGAGTCGGGAGGCTGCAGAGAACGACGAA
GAGGAGCCCGGCGAGGCCACCGGAGAGGCCGTCCGGGAGGACCGTGTGACCCTCGCAGACCGGGGACCCAAGGAGAGG
CCTCGGAGAGAGGGGAAGCCGCGGAAGGAGAAGCCGCGGAAGGAGGAGAGACCTAAGAAAGAGAGGCCCGCGGAAAGAG
GAGAGGCCACGGGCCGCCAGGGAGCCCCGGGAAGCCCTACCCCAGCGCTGGGAGTCACGCGAAGGGGGGCCACCGGCCG
TGGGCACGGGACTCCAGGGACGCCGAGCCAGGAAGAAGCAGGCCTGGGTGTCCCCGAGGCGTCCCGACGAGGAGCAG
CGGCCTGGGAGTCGCCAGAAGCTCCGCGCAGGCAAGGGGCGGGACTGA
```

Transaction Sequence

```
MSMTTRAWEE LDGGLGSCQA LEDHSALAET QEDRASATPR LADSGSVPHD SQVAEGPSVD TRPKKMEKEP AARGTPGTGK
ERLKAGASPR SVPARKKAQT APPLQPPPPP PALSEELPWG DLSLNKCLVL ASLVALLGSA FQLCRDAVPG EAALQARVPE
PWVPPSSAPR EPSSPLPKFE AQAPPSAPPA PRAEAEVRPK IPGSREAAEN DEEEPGEATG EAVREDRVTL ADRGPKEPR
REGKPRKEKP RKEERPKKER PRKEERPRAA REPREALPQR WESREGGHRP WARDSRDAEP RKKQAWVSPR RPDEEQRPGS
RQKL RAGKGR D
```