

Product information

JSRP1, 1-331aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2339

Full name: Junctional sarcoplasmic reticulum protein 1

NCBI Accession No.: NP_653217

Synonyms: JP-45, JP45

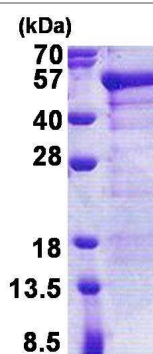
Description: JSRP1 is involved in excitation-contraction coupling at the sarcoplasmic reticulum. The protein can interact with CACNA1S, CACNB1, and calsequestrin to help regulate calcium influx and efflux in skeletal muscle. Recombinant human JSRP1 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol.

Molecular Weight: 38 kDa (354aa) confirmed by MALDI-TOF
(Molecular size on SDS-PAGE will appear higher)

Purity: >90% by SDS - PAGE

Concentration: 0.25 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSMSTTRA WEELDGLGS CQALDHSAL AETQEDRSA TPRLADSGSV PHDSQVAEGP SVDTRPKME
KEPAARGTPG TGKERLKAGA SPRSVPARKK AQTAPPLQPP PPPALSEEL PWGDLNLNC LVLASLVALL GSAFQLCRDA VPGEAALQAR
VPEPWPPSS APREPSSPLP KFEAQAPPSA PPAPRAEAEV RPKIPGSREA AENDEEPEGE ATGEAVREDR VTLADRGPK RPRREGKPRK
EKPRKEERPK KERPRKEERP RAAREPREAL PQRWESREGG HRPWARDSRD AEPRKKQAWV SPRRPDEEQR PGSRQKLKLAG KGRD

General references:

Yasuda T, Delbono O, *et al.* (2013). *Hum Mutat.* 34(1):184-90.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com