

JSRP1, 1-331aa, Human, His tag, E.coli

Cat.NO.: TP02711

3th Edition

Synonyms:Junctional sarcoplasmic reticulum protein 1, 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)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMSTTRAWHEELDGGGLGSCQALEDHSALETQEDRASATPRLADSGSVPHD
SQVAEGPSVDTRPKKMEKEPAARGTPGTGKERLKAGASPRSVPAKKAQTAPPLQPPPPPPALSEELPWGDLN
KCLVLASLVALLGSAFQLCRDAVPGEAALQARVPEPWVPPSSAPREPSSPLPKFEAQAPPSPAPPRAEAEVVRPKI
PGSREAAENDEEPEGEATGEAVREDRVTLADRGPKEPRREGKPRKEKPRKEERPKKERPRKEERPRAAREPRE
ALPQRWESREGGHRPWARDSDAEPRKKQAWVSPRRPDEEQRPQSRQKLRAGKGRD

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.