

## 32-4037: Recombinant Human Junctional Sarcoplasmic Reticulum Protein 1

**Alternative Name :** Junctional Sarcoplasmic Reticulum Protein 1, Homolog of Mouse Skeletal Muscle Sarcoplasmic Reticulum Protein JP-45, Junctional-Face Membrane Protein Of 45 KDa Homolog, JP45, 2310032K21Rik, Skeletal Muscle Sarcoplasmic Reticulum Protein JP-45.

### Description

Source : Escherichia Coli. JSRP1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 354 amino acids (1-331) and having a molecular mass of 38.0kDa. JSRP1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. JSRP1 takes part in excitation-contraction connection at the sarcoplasmic reticulum. JSRP1 is able to cooperate with CACNA1S, CACNB1 and calsequestrin to assist in regulating calcium influx and efflux in skeletal muscle.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** The JSRP1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.15M NaCl and 10% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SGLVPRGSH MGSMSMTTRA WEELDGGLGS CQALDHSAL AETQEDRASA  
 TPLADSGSV PHDSQVAEGP SVDTRPKKME KEPARGTPG TGKERLKAGA SPRSVARKK AQTAPPLQPP  
 PPPALSEEL PWGDLSLNKC LVLASLVALL GSAFQLCRDA VPGAALQAR VPEPWVPPSS APREPSSPLP  
 KFEAQAPPSA PPAPRAEAEV RPKIPGSREA AENDEEEPE ATGEAVREDR VTLADRGPK RPRREGKPRK  
 EKPRKEERP KERPRKEER RAAREPREAL PQRWESREGG HRPWARDSRD AEPKQAWV  
 SPRRPDEEQR PGSRQKLRAG KGRD

