

Datasheet for ABIN7557041  
**JSRP1 Protein (AA 1-332) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	JSRP1
Protein Characteristics:	AA 1-332
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This JSRP1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat Jsrp1 Protein expressed in mammalien cells.
Sequence:	<p>MTTRGLEDLD GGLGSCLPD DLPFLEEPAS GRRRESKARG TSRRADSSDW THVLQDPVAA GAGDAGLKMM EKELAGKEST AGKAGTSPRI VPARRKPQAP PPLQPPPPPL QPPRTPSDD LPWGDLTLNK CLVLASLVAL LGSALQLCRD AVAGEVVAAP HPWVPPSSPP KKEASPAPKP PVLVSPSGSP QPKPGPPQAR MQDEPELPGS PEATETRVER GGSISEASGE ESVPLGDRGS QEKPRKEKPS KGEKLLKEKP RREKPRREDK SQVTGEPRQS LPRRWEAREG GRRPWGRDSR DLLEHGKLQA WAPRRRHDRD DRPRQKRGKG RD <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Characteristics:	Key Benefits:

## Product Details

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- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity: > 90 % as determined by Bis-Tris Page, Western Blot

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Grade: custom-made

## Target Details

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Target: JSRP1

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Alternative Name: Jsrp1 ([JSRP1 Products](#))

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Background: Junctional sarcoplasmic reticulum protein 1 (Junctional-face membrane protein of 45 kDa homolog) (JP-45),FUNCTION: Involved in skeletal muscle excitation/contraction coupling (EC), probably acting as a regulator of the voltage-sensitive calcium channel CACNA1S (By similarity). EC is a physiological process whereby an electrical signal (depolarization of the plasma membrane) is converted into a chemical signal, a calcium gradient, by the opening of ryanodine receptor calcium release channels. May regulate CACNA1S membrane targeting and activity. {ECO:0000250, ECO:0000269|PubMed:16423849, ECO:0000269|PubMed:16638807}.

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Molecular Weight: 36.1 kDa

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UniProt: [Q3MI48](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a

## Application Details

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guarantee though.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months