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# Product Information

## MemDX™ Membrane Protein Human RYR3 (Ryanodine receptor 3) for Antibody Discovery

Cat. No.: **MP1406J**
This product is for research use only and is not intended for diagnostic use.

This product is a 32.5 kDa Human RYR3 membrane protein expressed in E.coli. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

## Product Specifications

**Host Species**
Human

**Target Protein**
RYR3

**Protein Length**
Partial (3934-4181aa)

**Protein Class**
Ion Channel

**Molecular Weight**
32.5 kDa

**Sequence**
DGKGIISKKEFQKAMEGQKQYTQSEIDFLLSCAEADENDMFNYVDFVDRFHEPAKDIGFNVAVLLTNLSEHMPNDSRLKCLLDPAES

## Product Description

**Expression Systems**
E.coli

**Tag**
N-6xHis

**Form**
Liquid or Lyophilized powder

**Reconstitution**
Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration).

**Purity**
>90% as determined by SDS-PAGE

### Buffer

Liquid: Tris/PBS-based buffer, 5%-50% glycerol
Lyophilized powder: Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### Storage

Store at +4°C for up to one week or several months at -80°C

## Target

### Target Protein

RYR3

### Full Name

Ryanodine receptor 3

### Introduction

The protein encoded by this gene is a ryanodine receptor, which functions to release calcium from intracellular storage for use in many cellular processes. For example, the encoded protein is involved in skeletal muscle contraction by releasing calcium from the sarcoplasmic reticulum followed by depolarization of T-tubules. Two transcript variants encoding different isoforms have been found for this gene.

### Alternative Names

Brain ryanodine receptor calcium release channel; Brain ryanodine receptor-calcium release channel; Brain type ryanodine receptor; Brain-type ryanodine receptor; HBRR; Ryanodine receptor 3; RYR 3; RYR-3; RyR3; RYR3_HUMAN

### Gene ID

6263

### UniProt ID

Q15413