

Product Information

MemDX™ Membrane Protein Human RYR3 (Ryanodine receptor 3) Expressed in *E.coli* with 6xHis tag at the N-terminus for Antibody Discovery, Partial (3934-4181aa)

Cat. No.: **MPX4457K**

This product is for research use only and is not intended for diagnostic use.

This product is a 32.5kDa 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

Transporter; Ion channel

Molecular Weight

32.5kDa

TMD

7

Sequence

DGKGIISKKEFQKAMEGQKQYTQSEIDFLLSCAEADENDMFNYVDFVDRFHEDPAKDIGFNVAVLLTNLSEHMPNDSRLKCLLDPAES

Product Description

Expression Systems

E.coli

Tag

6xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Purity

>90% as determined by SDS-PAGE

Buffer

Tris-based buffer, 50% glycerol

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

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

RYR3; RYR-3; brain ryanodine receptor-calcium release channel; brain-type ryanodine receptor; type 3 ryanodine receptor; RyR3; HBRR; Ryanodine receptor 3

Gene ID

[6263](#)

UniProt ID

[Q15413](#)