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Product Information

MemDX™ Membrane Protein Human RNF170 (Ring finger protein 170) Expressed *in vitro E.coli* expression system, Full Length

Cat. No.: **MPX1511K**
This product is for research use only and is not intended for diagnostic use.

This product is a Human RNF170 membrane protein expressed *in vitro E.coli* expression system. 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
RNF170

Protein Length
Full Length

Protein Class
Transferase

TMD
3

Sequence
MAKYQGEVQSLKLDDDSVIEGVSDQVLVAVVVSFALIATLVYALFRNVHQNIHPENQELVRVLREQLQTEQDAPAATRQQFYTDMY

Product Description

Expression Systems
in vitro E.coli expression system

Tag
10xHis tag at the N-terminus

Protein Format
Soluble

Form
Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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

RNF170

Full Name

Ring finger protein 170

Introduction

This gene encodes a RING domain-containing protein that resides in the endoplasmic reticulum (ER) membrane. This protein functions as an E3 ubiquitin ligase and mediates ubiquitination and processing of inositol 1,4,5-trisphosphate (IP3) receptors via the ER-associated protein degradation pathway. It is recruited to the activated IP3 receptors by the ERLIN1/ERLIN2 complex to which it is constitutively bound. Mutations in this gene are associated with autosomal dominant sensory ataxia. Alternatively spliced transcript variants have been found for this gene.

Alternative Names

RNF170; ADSA; SNAX1; E3 ubiquitin-protein ligase RNF170; RING-type E3 ubiquitin transferase RNF170; putative LAG1-interacting protein; Ring finger protein 170

Gene ID

81790

UniProt ID

Q96K19

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