SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Mouse Selenos (Selenoprotein S) Expressed *in vitro E.coli* expression system, Full Length

Cat. No.: **MPX1313K**
This product is for research use only and is not intended for diagnostic use.

This product is a Mouse Selenos 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
Mouse

Target Protein
Selenos

Protein Length
Full Length

Protein Class
Receptor

TMD
1

Sequence
MDRDEEPLSARPALETESLRFLHVTVGSLLASYGWYILFSCILLYIVIQRLSLRLRALRQRQLDQAETVLEPDVVVKRQEALAAARLRN

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

Selenos

Full Name

Selenoprotein S

Introduction

This gene encodes a transmembrane protein that is localized in the endoplasmic reticulum (ER). It is involved in the degradation process of misfolded proteins in the ER, and may also have a role in inflammation control. This protein is a selenoprotein, containing the rare amino acid selenocysteine (Sec). Sec is encoded by the UGA codon, which normally signals translation termination. The 3' UTRs of selenoprotein mRNAs contain a conserved stem-loop structure, designated the Sec insertion sequence (SECIS) element, that is necessary for the recognition of UGA as a Sec codon, rather than as a stop signal. Two additional phylogenetically conserved stem-loop structures (Stem-loop 1 and Stem-loop 2) in the 3' UTR of this mRNA have been shown to function as modulators of Sec insertion (PMID:23614019). Alternatively spliced transcript variants have been found for this gene.

Alternative Names

Selenos; V; H4; Se; H-4; H47; H-47; Sels; Vimp; Seps1; C78786; 1500011E07Rik; VCP-interacting membrane protein; minor histocompatibility antigen H47; Selenoprotein S

Gene ID

109815

UniProt ID

Q9BCZ4