

# Product Information

## MemDX™ Recombinant Human ERLIN1 Membrane Protein in Virus-Like Particles (MP-VLPs)

Cat. No.: **S01YF-0622-KX132**

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

This product is recombinant Human ERLIN1 in VLPs form. This product is produced from HEK293 by co-expressing the retroviral structural core polyprotein (gag) and the target membrane protein. MP-VLPs display highly-expressed copies of membrane proteins in their native conformation, providing an alternative to membrane protein stable cell lines, membrane preparations, detergent-solubilized proteins and other membrane protein preparation strategies. MP-VLPs can be used for a wide range of applications in antibody production, antibody discovery, antibody characterization, binding assays and functional assays.

### Product Specifications

#### Host Species

Human

#### Target Protein

ERLIN1

#### Protein Length

Full length

#### Protein Class

Receptor

#### TMD

1

#### Sequence

MNMTQARVLVAADVGLVAVLLYASIHKIEEGHLAVYYRGGALLTSPSGPGYHIMLPFITFRSVQTTLQTDEVKNVPCGTSGGVMIIY

### Product Description

#### Application

ELISA; Antibody Production; Antibody Discovery; Antibody Characterization; Binding Assays; Functional Assays

#### Expression Systems

HEK293 expression system

#### Tag

10xHis tag at the C-terminus

#### Protein Format

Membrane Protein-Virus Like Particles (MP-VLPs)

**Form**

Liquid

**Buffer**

PBS, 6% Trehalose, pH 7.4

**Storage**

The product should be stored at -20°C or lower. Avoid freeze-thaw cycles.

**Target****Target Protein**

ERLIN1

**Full Name**

ER lipid raft associated 1

**Introduction**

The protein encoded by this gene is part of a protein complex that mediates degradation of inositol 1,4,5-trisphosphate receptors in the endoplasmic reticulum. The encoded protein also binds cholesterol and regulates the SREBP signaling pathway, which promotes cellular cholesterol homeostasis. Defects in this gene have been associated with spastic paraplegia 62.

**Alternative Names**

ERLIN1; KE04; KEO4; SPFH1; SPG62; Erlin-1; C10orf69; erlin-1; Band\_7 23-211 Keo4 (Interim) similar to C.elegans protein C42C1.9; SPFH domain family, member 1; SPFH domain-containing protein 1; endoplasmic reticulum lipid raft-associated protein 1; stomatin-prohibitin-flotillin-HflC/K domain-containing protein 1; ER lipid raft associated 1

**Gene ID**

[10613](#)

**UniProt ID**

[Q75477](#)