

Product Information

MemDX™ Membrane Protein Human ZMPSTE24 (Zinc metalloproteinase STE24) Full Length

Cat. No.: **MPC2530K**

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

This product is a made-to-order Human ZMPSTE24 membrane protein expressed in *Saccharomyces cerevisiae*. 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

ZMPSTE24

Protein Length

Full length

Protein Class

Protease

TMD

7

Sequence

MGMWASLDALWEMPAEKRIFGAVLLFSWTVYLVWETFLAQRQRRIYKTTTH
VPPELGQIMDSETEKSRLYQLDKSTFSFWSGLYSETEGTLILLFGGIPY
LWRLSGRFGYAGFGPEYEITQSLVFLLLATLFSALTGLPWSLYNTFVIE
EKHGFNQQTGFFMKDAIKKFVVTQCILLPVSSLLLYIIKIGGDYFFIYA
WLFTLVVSLVLVTIYADYIAPLFDKFTPLPEGKLKEEIEVMAKSIDFPLT
KVYVVEGSKRSSHSNAYFYGFFKNKRIVLFDTLLEEYSVLNKDIQEDSGM
EPRNEEEGNSEEIKAKVKNNKQGCKNEEVLAVLGHELGHWKLGHVTKNII
ISQMNSFLCFFLFAVLIGRKELFAAFGFYDSQPTLIGLLIIFQFIFSPYN
EVLSFCLTVLSRRFEFQADAFKLGKAKDLYSALIKLNKDNLGFPVSDW
LFSMWHYSHPLLRLQALKTMKQH

Product Description

Expression Systems

Saccharomyces cerevisiae

Tag

10xHis tag at the C-terminus

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

ZMPSTE24

Full Name

Zinc metallopeptidase STE24

Introduction

This gene encodes a member of the peptidase M48A family. The encoded protein is a zinc metalloproteinase involved in the two step post-translational proteolytic cleavage of carboxy terminal residues of farnesylated prelamin A to form mature lamin A. Mutations in this gene have been associated with mandibuloacral dysplasia and restrictive dermopathy.

Alternative Names

ZMPSTE24; HGPS; PRO1; FACE1; STE24; FACE-1; Ste24p; CAAX prenyl protease 1 homolog; farnesylated proteins-converting enzyme 1; prenyl protein-specific endoprotease 1; zinc metallopeptidase STE24 homolog; zinc metalloproteinase Ste24 homolog; Zinc metallopeptidase STE24

Gene ID

[10269](#)

UniProt ID

[O75844](#)