

Product Information

MemDX™ Membrane Protein Human SFXN3 (Sideroflexin 3) for Antibody Discovery

Cat. No.: **MP0452J**

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

This product is a 35.8 kDa Human SFXN3 membrane protein expressed in HEK293T. 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

SFXN3

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

35.8 kDa

TMD

4

Sequence

MESKMGELPLDINIQEPRWDQSTFLGRARHFFTVTDPRNLLLSGAQLEASRNIVQNYRAGVVTPGITEDQ
LWRKAYVYDSAFHPDTGEKVVLIGRMSAQVPMNMTITGCMLTFYRKPTTVVFWQWVNQSFNAIVNYSNRS
GDTPITVRQLGTAYVSATTGAVATALGLKSLTKHLPPLVGRFVPFAAVAAANCINIPLMRQRELQVGIPV
ADEAGQRLGYSVTAAKQGIFQVVISRICMAIPAMAIPPLIMDTLEKKDFLKRRPWLGAPLQVGLVGFCLV
FATPLCCALFPQKSSIHISNLEPELRAQIHEQNPSVEVVYYNKGL

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

SFXN3

Full Name

Sideroflexin 3

Introduction

Mitochondrial serine transporter that mediates transport of serine into mitochondria, an important step of the one-carbon metabolism pathway. Mitochondrial serine is converted to glycine and formate, which then exits to the cytosol where it is used to generate the charged folates that serve as one-carbon donors.

Alternative Names

SFX3; SLC56A3; BA108L7.2

Gene ID

[81855](#)

UniProt ID

[Q9BWM7](#)