

# Product Information

## MemDX™ Membrane Protein Human SPTSSB (Serine palmitoyltransferase small subunit B)

### Full Length

Cat. No.: **MPC4741K**

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

This product is a made-to-order Human SPTSSB membrane protein expressed in HEK293. 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

SPTSSB

#### Protein Length

Full length

#### Protein Class

Receptor

#### TMD

2

#### Sequence

MDLRRVKEYFSWLYYQYQIISCCAVLEPWERSMFNTILLTIAMVVYTAY  
VFIPHIHLAWEFFSKICGYHSTISN

### Product Description

#### Expression Systems

HEK293

#### Tag

Based on specific requirements

#### 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

SPTSSB

### Full Name

Serine palmitoyltransferase small subunit B

### Introduction

Serine palmitoyltransferase (SPT; EC 2.3.1.50) catalyzes the first committed and rate-limiting step in sphingolipid biosynthesis. SSSPTB is a small SPT subunit that stimulates SPT activity and confers acyl-CoA preference to the SPT catalytic heterodimer of SPTLC1 (MIM 605712) and either SPTLC2 (MIM 605713) or SPTLC3 (MIM 611120).

### Alternative Names

SPTSSB; ADMP; SSSPTB; C3orf57; serine palmitoyltransferase small subunit B; androgen down regulated in mouse prostate; likely ortholog of androgen down regulated gene expressed in mouse prostate; small subunit of serine palmitoyltransferase B; Serine palmitoyltransferase small subunit B

### Gene ID

[165679](#)

### UniProt ID

[Q8NFR3](#)