

## Product Information

### **MemDX™ Membrane Protein Human SPTSSA (Serine palmitoyltransferase small subunit A)**

#### **Expressed *in vitro* E.coli expression system, Full Length**

Cat. No.: **MPX0996K**

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

This product is a Human SPTSSA 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**

Human

##### **Target Protein**

SPTSSA

##### **Protein Length**

Full Length

##### **Protein Class**

Receptor

##### **TMD**

2

##### **Sequence**

MAGMALARAWKQMSWFYYQYLLVTALYMLEPWERTVFNSMLVSIVGMALYTGYYFMPQHIMAILHYFEIVQ

#### **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**

SPTSSA

#### **Full Name**

Serine palmitoyltransferase small subunit A

#### **Introduction**

Serine palmitoyltransferase (SPT; EC 2.3.1.50) catalyzes the first committed and rate-limiting step in sphingolipid biosynthesis. SSSPTA 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**

SPTSSA; SSSPTA; C14orf147; serine palmitoyltransferase small subunit A; small subunit of serine palmitoyltransferase A; Serine palmitoyltransferase small subunit A

#### **Gene ID**

[171546](#)

#### **UniProt ID**

[Q969W0](#)