

## Product Information

### MemDX™ Membrane Protein Human SYNGR1 (Synaptogyrin 1) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX2263K**

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

This product is a Human SYNGR1 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

SYNGR1

##### Protein Length

Full Length

##### Protein Class

Receptor

##### TMD

4

##### Sequence

MEGGAYGAGKAGGAFDPYTLVRQPHTILRVVWLFSIVVFGSIVNEGYLNSASEGEEFCIYNRNPNA

#### Product Description

##### Expression Systems

*in vitro* *E.coli* expression system

##### Tag

10xHis and SUMO tag

##### 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**

SYNGR1

### **Full Name**

Synaptogyrin 1

### **Introduction**

This gene encodes an integral membrane protein associated with presynaptic vesicles in neuronal cells. The exact function of this protein is unclear, but studies of a similar murine protein suggest that it functions in synaptic plasticity without being required for synaptic transmission. The gene product belongs to the synaptogyrin gene family. Three alternatively spliced variants encoding three different isoforms have been identified.

### **Alternative Names**

SYNGR1; synaptogyrin-1; Synaptogyrin 1

### **Gene ID**

[9145](#)

### **UniProt ID**

[O43759](#)