

# Product Information

## **MemDX™ Membrane Protein Human SSTR3 (Somatostatin receptor 3) Expressed *in vitro* *E.coli* expression system, Full Length**

Cat. No.: **MPX3553K**

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

This product is a Human SSTR3 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

SSTR3

#### Protein Length

Full Length

#### Protein Class

GPCR

#### TMD

7

#### Sequence

MDMLHPSSVSTTSEPENASSAWPPDATLGNVSAGPSPAGLAVSGVLIPLVYLVVCVVGLLGNSLVIYVVLRLHTASPSVTNVYILNLAL

### 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**

SSTR3

#### **Full Name**

Somatostatin receptor 3

#### **Introduction**

This gene encodes a member of the somatostatin receptor protein family. Somatostatins are peptide hormones that regulate diverse cellular functions such as neurotransmission, cell proliferation, and endocrine signaling as well as inhibiting the release of many hormones and other secretory proteins. Somatostatin has two active forms of 14 and 28 amino acids. The biological effects of somatostatins are mediated by a family of G-protein coupled somatostatin receptors that are expressed in a tissue-specific manner. Somatostatin receptors form homodimers and heterodimers with other members of the superfamily as well as with other G-protein coupled receptors and receptor tyrosine kinases. This protein is functionally coupled to adenylyl cyclase. Alternate splicing results in multiple transcript variants.

#### **Alternative Names**

SSTR3; SS3R; SS3-R; SS-3-R; SSR-28; somatostatin receptor type 3; Somatostatin receptor 3

#### **Gene ID**

[6753](#)

#### **UniProt ID**

[P32745](#)