

# Product Information

## **MemDX™ Membrane Protein Human STX5 (Syntaxin 5) expressed in *In vitro* wheat germ expression system for Antibody Discovery**

Cat. No.: **MP1309X**

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

This product is a 58.74 kDa Human STX5 membrane protein expressed in *In vitro* wheat germ 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

STX5

#### Protein Length

Full-length

#### Molecular Weight

58.74 kDa

#### TMD

1

#### Sequence

MSCRDRTQEFLSACKSLQTRQNGIQTNKPALRAVRQRSEFTLMAKRIGKDLNNTFAKLEKLTILAKRKSLFDDKAVEIEELTYIIKQDIN

### Product Description

#### Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

#### Expression Systems

*in vitro* wheat germ expression system

#### Tag

GST-tag at N-terminal

#### Protein Format

Liposome

#### Form

Liquid

### **Purification**

Glutathione Sepharose 4 Fast Flow

### **Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0

### **Storage**

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

## **Target**

### **Target Protein**

STX5

### **Full Name**

Syntaxin 5

### **Introduction**

This gene encodes a member of the syntaxin or t-SNARE (target-SNAP receptor) family. These proteins are found on cell membranes and serve as the targets for v-SNAREs (vesicle-SNAP receptors), permitting specific synaptic vesicle docking and fusion. The encoded protein regulates endoplasmic reticulum to Golgi transport and plays a critical role in autophagy. Autoantibodies targeting the encoded protein may be a diagnostic marker for endometriosis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

### **Alternative Names**

SED5; STX5A; syntaxin-5; syntaxin 5A

### **Gene ID**

[6811](#)

### **UniProt ID**

[Q13190](#)