

# Product Information

## **MemDX™ Membrane Protein Human CHST1 (Carbohydrate sulfotransferase 1) Expressed *in vitro* E.coli expression system, Full Length**

Cat. No.: **MPX3891K**

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

This product is a Human CHST1 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

CHST1

#### Protein Length

Full Length

#### Protein Class

Transferase

#### TMD

1

#### Sequence

MQCSWKAVLLLLALASIAIQYTAIRTFHTAKSFHTCPGLAEAGLAERLCEESPTFAYNLSRKTHILILATTRSGSSFVGQLFNQHLDFVYLI

### 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

CHST1

#### Full Name

Carbohydrate sulfotransferase 1

#### Introduction

This locus encodes a member of the keratin sulfotransferase family of proteins. The encoded enzyme catalyzes the sulfation of the proteoglycan keratin.

#### Alternative Names

CHST1; C6ST; KSST; GST-1; KS6ST; KSGal6ST; Keratan sulfotransferase; carbohydrate (chondroitin 6/keratan) sulfotransferase 1; carbohydrate (keratan sulfate Gal-6) sulfotransferase 1; galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 1; Carbohydrate sulfotransferase 1

#### Gene ID

[8534](#)

#### UniProt ID

[O43916](#)