

Product Information

MemDX™ Antibody Discovery - Human Serpin D1 / Heparin Cofactor II (20-499) Membrane Protein, Partial, -His tag

Cat. No.: **MP0406F**

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

This membrane protein is Human Serpin D1 / Heparin Cofactor II (20-499). It has been tested in SDS-PAGE. We provide this protein to facilitate your membrane protein antibody discovery and development.

Product Specifications

Host Species

Human

Target Protein

Serpin D1 / Heparin Cofactor II

Protein Length

ECD

Molecular Weight

The protein has a calculated MW of 55.7 kDa. The protein migrates as 65-70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Sequence

AA Gly 20 - Ser 499 (Accession # AAH35028).

Product Description

Application

SDS-PAGE

Expression Systems

HEK293

Tag

His tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Please see Certificate of Analysis for specific instructions.

Endotoxin

<1.0 EU/μg by the LAL method

Purity

>95% as determined by SDS-PAGE.

Buffer

Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 150 mM NaCl, pH 7.5. Normally trehalose is added as protectant before lyophilization.

Storage

Stored at lyophilized form at -20°C or lower. Avoid repeated freeze-thaw cycles.

The antigen can be stable for 12 months in lyophilized form after storage at -20°C to -80°C, 3 months under sterile conditions after reconstitution after storage at -80°C.

Target**Target Protein**

Serpin D1 / Heparin Cofactor II

Full Name

serpin family D member 1

Introduction

This gene belongs to the serpin gene superfamily. Serpins play roles in many processes including inflammation, blood clotting, and cancer metastasis. Members of this family have highly conserved secondary structures with a reactive center loop that interacts with the protease active site to inhibit protease activity. This gene encodes a plasma serine protease that functions as a thrombin and chymotrypsin inhibitor. The protein is activated by heparin, dermatan sulfate, and glycosaminoglycans. Allelic variations in this gene are associated with heparin cofactor II deficiency.

Alternative Names

HC2; LS2; HCF2; HCII; HLS2; THPH10; D22S673; heparin cofactor 2; heparin cofactor II splice isoform; leuserpin 2; protease inhibitor leuserpin-2; serine (or cysteine) proteinase inhibitor, clade D (heparin cofactor), member 1; serpin D1; serpin peptidase inhibitor, clade D (heparin cofactor), member 1

Gene ID

[3053](#)

UniProt ID

[P05546](#)