

Product Information

MemDX™ Membrane Protein Human PI3 (Peptidase inhibitor 3) for Antibody Discovery

Cat. No.: **MP1019J**

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

This product is a 9.9 kDa Human PI3 membrane protein expressed in HEK293T. 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

PI3

Protein Length

Full-length

Protein Class

Secreted Protein, Transmembrane

Molecular Weight

9.9 kDa

Sequence

MRASSFLIVVFLIAGTLVLEAAVTGVPVKGQDTVKG RVPFNGQDPVKGQVSVKGQDKVKAQEPVKGPVS
TKPGSCPIILIRCAMLNPPNRCLKDTCPGIKKCCGSCGMACFVPQ

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

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

Target**Target Protein**

PI3

Full Name

Peptidase inhibitor 3

Introduction

This gene encodes an elastase-specific inhibitor that functions as an antimicrobial peptide against Gram-positive and Gram-negative bacteria, and fungal pathogens. The protein contains a WAP-type four-disulfide core (WFDC) domain, and is thus a member of the WFDC domain family. Most WFDC gene members are localized to chromosome 20q12-q13 in two clusters: centromeric and telomeric. This gene belongs to the centromeric cluster. Expression of this gene is upregulated by bacterial lipopolysaccharides and cytokines.

Alternative Names

ESI; WAP3; SKALP; WFDC14; cementoin

Gene ID

[5266](#)

UniProt ID

[P19957](#)