

# Product Information

## MemDX™ Membrane Protein Human HPN (Hepsin) Full Length

Cat. No.: **MPC0999K**

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

This product is a 45 kDa Human HPN membrane protein expressed in HEK293. 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

HPN

#### Protein Length

Full length

#### Protein Class

Protease

#### Molecular Weight

45 kDa

#### TMD

1

#### Sequence

MAQKEGGRTVPCCSRPKVAALTAGTLLLLTAIGAASWAIVAVLLRSDQEP  
LYPVQVSSADARLMVFDKTEGTWRLCSSLRSNARVAGLSCEEMGFLRALT  
HSELDVRTAGANGTSGFFCVDEGRLPHTQRLLEVISVCDPCRGRFLAAIC  
QDCGRRKLPVDRIVGGRDTSLG RWPWQVSLRYDGAHL CGGSLLSGDWVLT  
AAHCFPERNRVLSRWRFAGAVAQASPHGLQLGVQAVVYHGGYLPFRDPN  
SEENSNDIALVHLSSPLPLTEYIQPVCLPAAGQALVDGKICTVTGWGNTQ  
YYGQQAGVLQEARVPIISNDVCNGADFYGNQIKPKMFCAGYPEGGIDACQ  
GDSGGPFVCEDSISRTPRWRLCGIVSWGTGCALAQKPGVYTKVSDFREWI  
FQAIKTHSEASGMVTQL

### Product Description

#### Expression Systems

HEK293

#### Tag

Based on specific requirements

**Protein Format**

Detergent or based on specific requirements

**Form**

Liquid

**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**

HPN

**Full Name**

Hepsin

**Introduction**

This gene encodes a type II transmembrane serine protease that may be involved in diverse cellular functions, including blood coagulation and the maintenance of cell morphology. Expression of the encoded protein is associated with the growth and progression of cancers, particularly prostate cancer. The protein is cleaved into a catalytic serine protease chain and a non-catalytic scavenger receptor cysteine-rich chain, which associate via a single disulfide bond. Alternative splicing results in multiple transcript variants.

**Alternative Names**

HPN; TMPRSS1; serine protease hepsin; testicular tissue protein Li 85; transmembrane protease serine 1; Hepsin

**Gene ID**

[3249](#)

**UniProt ID**

[P05981](#)