



## HPN peptide (DAG-P0620)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	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. [provided by RefSeq, Jan 2013]
<b>Specificity</b>	Present in most tissues, with the highest level in liver.
<b>Purity</b>	> 95 % by SDS-PAGE.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISPOT, WB
<b>Sequence Similarities</b>	Belongs to the peptidase S1 family. Contains 1 peptidase S1 domain. Contains 1 SRCR domain.
<b>Format</b>	Liquid
<b>Buffer</b>	Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: None Constituents: 0.001% Tween 20, 30mM HEPES, 2mM EDTA, 150mM Sodium chloride, pH 6.75

### GENE INFORMATION

Gene Name	<a href="#">HPN hepsin [ Homo sapiens (human) ]</a>
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<b>Official Symbol</b>	HPN
<b>Synonyms</b>	HPN; hepsin; TMPRSS1; serine protease hepsin; transmembrane protease serine 1;
<b>Entrez Gene ID</b>	<a href="#">3249</a>
<b>mRNA Refseq</b>	<a href="#">NM_002151.2</a>
<b>Protein Refseq</b>	<a href="#">NP_002142.1</a>
<b>UniProt ID</b>	P05981
<b>Chromosome Location</b>	19q13.12
<b>Pathway</b>	Viral carcinogenesis, organism-specific biosystem; Viral carcinogenesis, conserved biosystem;
<b>Function</b>	calcium-activated potassium channel activity; peptidase activity; protein binding; scavenger receptor activity; serine-type endopeptidase activity; serine-type exopeptidase activity; serine-type peptidase activity;

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