

Recombinant Human HPN

Cat. No. HPN-26788TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Hepsin with a N terminal proprietary tag. Predicted MW 67.69kDa.
Species	Human
Source	Wheat Germ
ProteinLength	378 amino acids
Description	This gene encodes a type II transmembrane serine protease. The encoded protein has an extracellular region that consists of two domains, a catalytic serine protease domain and a non-catalytic scavenger receptor cysteine-rich domain. This protein may be involved in diverse cellular functions including blood coagulation, maintenance of cell morphology and the growth and progression of certain cancers, particularly prostate cancer. Alternative splicing results in multiple transcript variants.
Molecular Weight	67.690kDa inclusive of tags
Tissue specificity	Present in most tissues, with the highest level in liver.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	VAVLLRSDQEPLYPVQVSSADARLMVFDKTEGTWRLCSS RSNARVAGLSCEEMG FLRALTHSELDVRTAGANGTSGFFC VDEGRLPHTQRLLEVISVCDPCRGRFLAICQ DCGRRKLP VDRIVGGRDTSLSGRWPWQVSLRYDGAHLCCGGSLLSGDWVL TAAHCF PERNRVLSRWRVFAGAVAQASPHGLQLGVQAVVY HGGYLPFRDPNSEENSNDIAL VHLSSPLPLTEYIQPVCLP AAGQALVDGKICTVTGWGNTQYYGQQAGVLQEARVP SN DVCNGADFYGNQIKPKMFCAGYPEGGIDACQGDSGGPFAC EDSISRTPRWRL CGIVSWGTCALAQKPGVYTKVSDFREW IFQAIKTHSEASGMVTQL
Sequence Similarities	Belongs to the peptidase S1 family.Contains 1 peptidase S1 domain.Contains 1 SRCR domain.

GENE INFORMATION

Gene Name	HPN hepsin [Homo sapiens]
Official Symbol	HPN
Synonyms	HPN; hepsin; serine protease hepsin; TMPRSS1; transmembrane protease; serine 1;
Gene ID	3249
mRNA Refseq	NM_002151
Protein Refseq	NP_002142
MIM	142440
Uniprot ID	P05981

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Chromosome Location	19q11-q13.2
Function	peptidase activity; scavenger receptor activity; serine-type endopeptidase activity; serine-type exopeptidase activity; serine-type peptidase activity;

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