

# Recombinant Full Length Human HPN Protein, GST-tagged

Cat. No. HPN-3626HF Lot. No. (See product label)

## SPECIFICATION

**Product Overview** Human HPN full-length ORF ( AAH25716.1, 40 a.a. - 417 a.a.) recombinant protein with GST-tag at N-terminal.

**Species** Human

**Source** In Vitro Cell Free System

**ProteinLength** 417 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 Mass** 67.43 kDa

**AA Sequence**  
 VAVLLRSDQEPLYPVQVSSADARLMVFDKTEGTWRLLCSSRSNARVAGLSCEEMG  
 FLRALTHSELDVRTAGANGTSGFFCVDEGRLPHTQRLLEVISVDCDCPRGRFLAAICQ  
 DCGRRKLPVDRIVGGRDTSLGRWPWQVSLRYDGAHLCCGSSLLSGDWVLTAAHCF  
 PERNRVLRSRWRVFAGAVAQASPHGLQLGVQAVVYHGGYLPFRDPNSEENSNDIAL  
 VHLSSPLPLTEYIQPVCLPAAGQALVDGKICTVTGWGNTQYYGQQAGVLQEARVPII  
 SNDVCNGADFYGNQIKPKMFCAGYPEGGIDACQGDSGGPFACEDSISRTPRWRLC  
 GIVSWGTCALAQKPGVYTKVSDFFREWIFQAIKTHSEASGMVTQL

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	HPN hepsin [ Homo sapiens ]
<b>Official Symbol</b>	HPN
<b>Synonyms</b>	HPN; hepsin; serine protease hepsin; TMPRSS1; transmembrane protease; serine 1; transmembrane protease serine 1; transmembrane protease, serine 1; serine protease hepsin catalytic chain; serine protease hepsin non-catalytic chain;
<b>Gene ID</b>	3249
<b>mRNA Refseq</b>	NM_002151
<b>Protein Refseq</b>	NP_002142
<b>MIM</b>	142440
<b>UniProt ID</b>	P05981

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