

Product datasheet for SC307550

Hepsin (HPN) (NM_182983) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hepsin (HPN) (NM_182983) Human Untagged Clone
Tag:	Tag Free
Symbol:	HPN
Synonyms:	TMPRSS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307550 representing NM_182983. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGCAGAAGGAGGGTGGCCGGACTGTGCCATGCTGCTCCAGACCCAAGGTGGCAGCTCTCACTGCG
GGGACCTGTACTTCTGACAGCCATCGGGGCGGCATCCTGGGCCATTGTGGCTGTTCTCCTCAGGAGT
GACCAGGAGCCGCTGTACCCAGTGCAGGTGAGTCTGCGGACGCTCGGCTCATGGTCTTTGACAAGACG
GAAGGGACGTGGCGGCTGCTGTGCTCCTCGCGCTCCAACGCCAGGGTAGCCGGACTCAGTGCAGGAG
ATGGGCTTCTCAGGGCACTGACCCACTCCGAGCTGGACGTGCGAACGGCGGGCGCAATGGCACGTGCG
GGCTTCTTCTGTGTGGACGAGGGGAGGCTGCCCCACCCAGAGGCTGCTGGAGGTCATCTCCGTGTGT
GATTGCCCCAGAGGCCGTTTCTTGGCCGCATCTGCCAAGACTGTGGCCGAGGAAGCTGCCCGTGGAC
CGCATCGTGGGAGGCCGGACACCAAGCTTGGGCCGGTGGCCGTGGCAAGTCAAGCTTCGCTATGATGGA
GCACACCTCTGTGGGGATCCCTGCTCTCCGGGACTGGGTGCTGACAGCCGCCACTGCTTCCCGGAG
CGGAACCGGGTCTGTCCCGATGGCGAGTGTGGCCGGTGGCCAGGCTCTCCCCACGGTCTG
CAGCTGGGGTGCAGGCTGTGGTCTACCACGGGGCTATCTTCCCTTTCGGGACCCCAACAGCGAGGAG
AACAGCAACGATATTGCCTGGTCCACCTCTCCAGTCCCTGCCCTCACAGAATACATCCAGCCTGTG
TGCTCCAGCTGCCGGCCAGGCCCTGGTGGATGGCAAGATCTGTACCGTGACGGGCTGGGCAACAGC
CAGTACTATGGCCAACAGGCCGGGTACTCCAGGAGGCTCGAGTCCCCATAATCAGCAATGATGTCTGC
AATGGCGCTGACTTCTATGGAAACCAGATCAAGCCCAAGATGTTCTGTGCTGGCTACCCGAGGGTGGC
ATTGATGCCTGCCAGGGCAGACGCGGTGGTCCCTTTGTGTGTGAGGACAGCATCTCTCGGACGCCACGT
TGGCGGCTGTGTGGCATTGTGAGTTGGGCACTGGCTGTGCCCTGGCCAGAAGCCAGGCGTCTACACC
AAAGTCAGTGACTTCCGGGAGTGGATCTTCCAGGCCATAAAGACTCACTCCGAAGCCAGCGGCATGGTG
ACCCAGCTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	□
ACCN:	NM_182983
Insert Size:	1254 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_182983.2
RefSeq Size:	2389 bp
RefSeq ORF:	1254 bp
Locus ID:	3249
UniProt ID:	P05981
Cytogenetics:	19q13.11
Protein Families:	Druggable Genome, Protease, Transmembrane
MW:	45 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>