

Product datasheet for **RG206271**

Heparin Cofactor II (SERPIND1) (NM_000185) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Heparin Cofactor II (SERPIND1) (NM_000185) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Heparin Cofactor II
Synonyms:	D22S673; HC2; HCF2; HCII; HLS2; LS2; THPH10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206271 representing NM_000185
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAAACTCATTAAACGCACTTCTCATTTTCCTCATCATAACATCTGCGTGGGGTGGGAGCAAAGGCC
 CGCTGGATCAGCTAGAGAAAGGAGGGGAACTGCCTCAGTCTGCAGATCCCCAGTGGGAGCAGTTAAATAA
 CAAAAACCTGAGCATGCCTCTTCTCCCTGCCGACTTCCACAAGGAAAAACCCGTACCAACGACTGGATT
 CCAGAGGGGGAGGAGGACGACGACTATCTGGACCTGGAGAAGATATTCAGTGAAGACGACGACTACATCG
 ACATCGTCGACAGTCTGTGAGTTCCCCGACAGACTCTGATGTGAGTGTGGAAACATCTCCAGCTTTT
 TCATGGCAAGAGCCGGATCCAGCGTCTAACATCGTCAACGCCAAGTTCGCTTTCAACCTTACCGAGTG
 CTGAAAGACCAGGTCAACACTTTGATAACATCTCATAGCACCCGTTGGCATTCTACTGCGATGGGTA
 TGATTTCTTAGGTCTGAAGGGAGAGCCCATGAACAAGTGCCTCGATTTTGCATTTTAAAGACTTTGT
 TAATGCCAGCAGCAAGTATGAAATCACGACCATCATAATCTCTCCGTAAGCTGACTCATCGCCTCTTC
 AGGAGGAATTTGGGTACACACTGCGGTGAGTCAATGACCTTTATATCCAGAAGCAGTTTCCAATCTCG
 TTGACTTCAAACTAAAGTAAGAGAGTATTACTTTGCTGAGGCCAGATAGCTGACTTCTCAGACCTGCT
 CTTCATATCAAAAACCAACAACCACATCATGAAGCTCACCAAGGGCCTCATAAAAGATGCTCTGGAGAAT
 ATAGACCTGCTACCCAGATGATGATTCTCAACTGCATCTACTTCAAAGGATCCTGGGTGAATAAATTC
 CAGTGGAAATGACACACAACCACAACCTCCGGCTGAATGAGAGAGAGGTAGTTAAGGTTTCCATGATGCA
 GACCAAGGGGAACCTCCTCGCAGCAAATGACCAGGAGCTGGACTGCGACATCCTCCAGCTGGAATACGTG
 GGGGGCATCAGCATGCTAATTGTGGTCCCACACAAGATGTCTGGGATGAAGACCCCTCGAAGCGCAACTGA
 CACCCGGGTGGTGGAGAGATGGCAAAAAGCATGACAAAAGAACTCGAGAAGTCTTCTGCCGAAATT
 CAAGCTGGAGAAGAACAATCTAGTGGAGTCCCTGAAGTTGATGGGGATCAGGATGCTGTTTGACAAA
 AATGGCAACATGCGAGGCATCTCAGACCAAGGATCGCCATCGACCTGTTCAAGCACCAAGGCACGATCA
 CAGTGAACGAGGAAGGCACCCAAGCCCACTGTGACCACGGTGGGGTTCATGCCGCTGTCCACCCAAGT
 CCGCTTCACTGTGACCGCCCTTTCTTTTCTCATCTACGAGCACCGCACCGCTGCTCTTCATG
 GGAAGAGTGGCCAACCCAGCAGGTCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG206271 representing NM_000185
 Red=Cloning site Green=Tags(s)

MKHSLNALLIFLIITSAWGGSKGPLDQLEKGGETAQSADPQWEQLNKNLSMPLLPADPHKENTVTNDWI
 PEGEEDDDYLDLEKIFSEDDDYIDIVDSLVSPTDSVDSAGNQLFHHGKSRIQRLNIVNAKFANLYRV
 LKDQVNTFDNIFIAIPVGIISTAMGMISLGLKGETHEQVHSILHFKDFVNASSKYEITTIHNLFRKLT
 HRNRFYTLRSVNDLYIQKQFPIILLDFKTKVREYF AEAQIADFSDPAFISKTNHIMKLTGKLIKDALEN
 IDPATQMMILNCIYFKGSWVNFVEMTHNHNFRNLNEREVVKVSMQTKGNFLAANDQELDCDILQLEYV
 GGISMLIVVPHKMSGMKTLEAQLTPGVVERWQKSMNRTREVLVLPKFKLEKNYNLVESLKLGMIRMLFDK
 NGNMAGISDQRIADLFDKHQGTITVNEEGTQATTVTTVGFMPSTQVRFVDRPFLFLIYEHRTSCLLFM
 GRVANPSRS

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

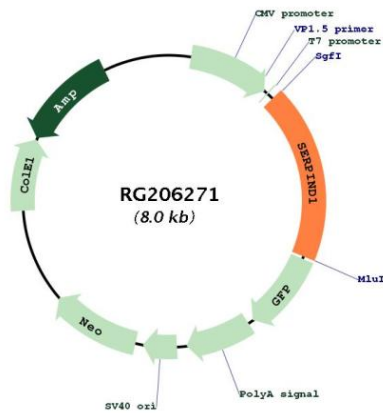
Domains: SERPIN

Protein Families: Druggable Genome

Protein Pathways: Complement and coagulation cascades

Gene Summary: This gene belongs to the serpin gene superfamily. Serpins play roles in many processes including inflammation, blood clotting, and cancer metastasis. Members of this family have highly conserved secondary structures with a reactive center loop that interacts with the protease active site to inhibit protease activity. This gene encodes a plasma serine protease that functions as a thrombin and chymotrypsin inhibitor. The protein is activated by heparin, dermatan sulfate, and glycosaminoglycans. Allelic variations in this gene are associated with heparin cofactor II deficiency. [provided by RefSeq, Jul 2015]

Product images:



Circular map for RG206271