

Product datasheet for **RC206271L4V**

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

Product data:

Product Type:	Lentiviral Particles
Product Name:	Heparin Cofactor II (SERPIND1) (NM_000185) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Heparin Cofactor II
Synonyms:	D22S673; HC2; HCF2; HCII; HLS2; LS2; THPH10
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000185
ORF Size:	1497 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206271).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_000185.3
RefSeq Size:	2237 bp
RefSeq ORF:	1500 bp
Locus ID:	3053
UniProt ID:	P05546
Cytogenetics:	22q11.21
Domains:	SERPIN
Protein Families:	Druggable Genome



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Protein Pathways: Complement and coagulation cascades

MW: 57 kDa

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]