Product datasheet for RC206582L1V

Protein C (PROC) (NM_000312) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Protein C (PROC) (NM_000312) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Protein C
Synonyms:	APC; PC; PROC1; THPH3; THPH4
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000312
ORF Size:	1383 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206582).
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_000312.2
RefSeq Size:	1790 bp
RefSeq ORF:	1386 bp
Locus ID:	5624
UniProt ID:	P04070
Cytogenetics:	2q14.3
Protein Families:	Druggable Genome, Protease
Protein Pathways:	Complement and coagulation cascades

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MW:	52.1 kDa

Gene Summary: This gene encodes a vitamin K-dependent plasma glycoprotein. The encoded protein is cleaved to its activated form by the thrombin-thrombomodulin complex. This activated form contains a serine protease domain and functions in degradation of the activated forms of coagulation factors V and VIII. Mutations in this gene have been associated with thrombophilia due to protein C deficiency, neonatal purpura fulminans, and recurrent venous thrombosis.[provided by RefSeq, Dec 2009]