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Product datasheet for RC211985L4V

Plasma Kallikrein 1B (KLKB1) (NM_000892) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Plasma Kallikrein 1B (KLKB1) (NM_000892) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Plasma Kallikrein 1B
Synonyms:	KLK3; PKK; PKKD; PPK
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000892
ORF Size:	1914 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211985).
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_000892.2
RefSeq Size:	2245 bp
RefSeq ORF:	1917 bp
Locus ID:	3818
UniProt ID:	P03952
Cytogenetics:	4q35.2
Domains:	APPLE, Tryp_SPc, PAN
Protein Families:	Druggable Genome, Protease

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Protein Pathways: Complement and coagulation cascades

MW: 71.37 kDa

Gene Summary: This gene encodes a glycoprotein that participates in the surface-dependent activation of blood coagulation, fibrinolysis, kinin generation and inflammation. The encoded preproprotein present in plasma as a non-covalent complex with high molecular weight kininogen undergoes proteolytic processing mediated by activated coagulation factor XII to generate a disulfide-linked, heterodimeric serine protease comprised of heavy and light chains. Certain mutations in this gene cause prekallikrein deficiency. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016]