

Product datasheet for RC211985L3

OriGene Technologies, Inc.

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

Product data:

Product Type: Expression Plasmids

Product Name: Plasma Kallikrein 1B (KLKB1) (NM_000892) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Plasma Kallikrein 1B

Synonyms: KLK3; PKK; PKKD; PPK

Mammalian Cell Puromycin

Selection:

Vector:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of thi

Sequence:

The ORF insert of this clone is exactly the same as(RC211985).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_000892

ORF Size: 1914 bp



Plasma Kallikrein 1B (KLKB1) (NM_000892) Human Tagged Lenti ORF Clone - RC211985L3

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.

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: 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: <u>NM 000892.2</u>

RefSeq Size:2245 bpRefSeq ORF:1917 bpLocus ID:3818

 UniProt ID:
 P03952

 Cytogenetics:
 4q35.2

Domains: APPLE, Tryp SPc, PAN

Protein Families: Druggable Genome, Protease

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]