

Product datasheet for RC201139L3

OriGene Technologies, Inc.

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Kallikrein 10 (KLK10) (NM_001077500) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Kallikrein 10 (KLK10) (NM_001077500) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Kallikrein 10

Synonyms: NES1; PRSSL1

Mammalian Cell Puromycin

Selection:

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

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

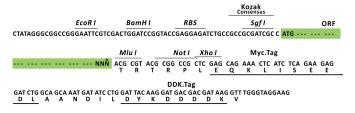
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC201139).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001077500

ORF Size: 828 bp



Kallikrein 10 (KLK10) (NM_001077500) Human Tagged Lenti ORF Clone - RC201139L3

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 001077500.1</u>, <u>NP 001070968.1</u>

 RefSeq Size:
 3024 bp

 RefSeq ORF:
 831 bp

 Locus ID:
 5655

 UniProt ID:
 043240

Cytogenetics: 19q13.41

Protein Families: Druggable Genome, Protease, Secreted Protein

MW: 30.1 kDa

Gene Summary: Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing

evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Its encoded protein is secreted and may play a role in suppression of tumorigenesis in breast and prostate cancers. Alternate splicing of this gene results in multiple transcript variants encoding the same

protein. [provided by RefSeq, Jul 2008]