

Product datasheet for **SC304334**

Kallikrein 13 (KLK13) (NM_015596) Human Untagged Clone

Product data:

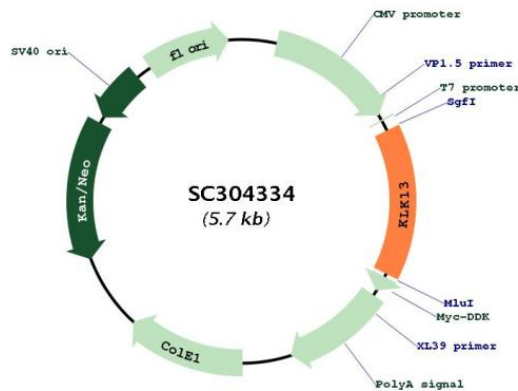
Product Type:	Expression Plasmids
Product Name:	Kallikrein 13 (KLK13) (NM_015596) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLK13
Synonyms:	KLK-L4; KLKL4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304334 representing NM_015596. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGCCCTGGCCCTAGTGATCGCCTCCCTGACCTTGGCCTTGTGAGGAGGTGTCTCCAGGAGTCT
TCCAAGTTCTCAACACCAATGGGACCAAGTGGTCTCCAGGTGGCTACACCTGCTTCCCCACTCT
CAGCCCTGGCAGGCTGCCCTACTAGTGAAGGGCGGCTACTCTGTGGGGAGTCTGGTCCACCCAAA
TGGGTCTCACTGCCGCACACTGTCTAAAGGAGGGGCTCAAAGTTTACCTAGGCAAGCACGCCCTAGGG
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TACATCCAAACCTGCCCTTTCCACAACAACCGCCTAACCCCTGGCACCACCTGTCGGGTGTCTGGC
TGGGGCACCACCAGCCCCAGGTGAATTACCCAAAACCTCTACAATGTGCAACATCCAACCTTCGC
TCAGATGAGGAGTGTCTCAAGTCTACCCAGGAAAGATCACTGACAACATGTTGTGTGCCGGCACAAA
GAGGGTGGCAAAGACTCTGTGAGGGTACTCTGGGGGCCCTGGTCTGTAACAGAACTGTATGGC
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TACGTCTGTGGATCCGTGAAACAATCCGAAAATATGAAACCCAGCAGCAAAAATGGTTGAAGGGCCCA
CAATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_015596

Insert Size: 834 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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: [NM_015596.1](#)

RefSeq Size: 1258 bp

RefSeq ORF: 834 bp

Locus ID:	26085
UniProt ID:	Q9UKR3
Cytogenetics:	19q13.41
Protein Families:	Druggable Genome, Secreted Protein
MW:	30.6 kDa
Gene Summary:	<p>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. Expression of this gene is regulated by steroid hormones and may be useful as a marker for breast cancer. [provided by RefSeq, Jan 2017]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>