

Product datasheet for SC306038

Kallikrein 15 (KLK15) (NM_138563) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kallikrein 15 (KLK15) (NM_138563) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLK15
Synonyms:	ACO; HSRNASPH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306038 representing NM_138563. Blue=Insert sequence Red=Cloning site Green=Tag(s)

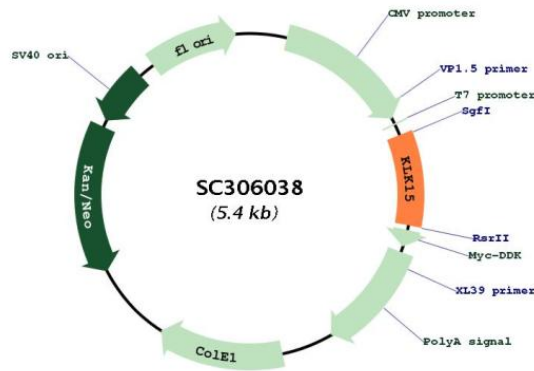
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTGGCTTCTCCTCACTCTCTCCTTCTGCTGGCATCCACAGCAGCCAGGATGGTGACAAGTTGCTG
GAAGGTGACGAGTGTGCACCCCACTCCCAGCCATGGCAAGTGGCTCTCTACGAGCGTGGACGCTTTAAC
TGTGGCGCTTCCCTCATCTCCCCCACTGGGTGCTGTCTGCGGCCACTGCCAAAGCCGCTTCATGAGA
GTGCGCCTGGGAGAGCACAACCTGCGCAAGCGCGATGGCCAGAGCAACTACGGACCAGTCTCGGGTC
ATTCCACACCCGCTACGAAGCGCGCAGCCACCACAACGACATCATGTTGCTGCGCCTAGTCCAGCCC
GCACGCCTGAACCCCAAGGTGCGCCCGCGGTGCTACCCACGCGTTGCCCCACCCGGGGAGGCCTGT
GTGGTGTCTGGTGGGGCTGGTGTCCACAACGAGCCTGGGACCCTGGGAGCCCCGGTCAAGGG
TGA
AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGAT
ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: Sgfl-RsrII



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Plasmid Map:



ACCN: NM_138563

Insert Size: 486 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_138563.1](#)

RefSeq Size: 1172 bp

RefSeq ORF: 486 bp

Locus ID: 55554

Cytogenetics: 19q13.33

Protein Families: Druggable Genome, Protease, Secreted Protein

MW: 18 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. In prostate cancer, this gene has increased expression, which indicates its possible use as a diagnostic or prognostic marker for prostate cancer. The gene contains multiple polyadenylation sites and alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) lacks an internal exon, compared to variant 4. An in-frame stop codon just beyond this alternate junction results in an encoded isoform (2) that is truncated at the C-terminus, relative to isoform 4.