

Product datasheet for SC315512

Kallikrein 5 (KLK5) (NM_001077492) Human Untagged Clone

Product data:

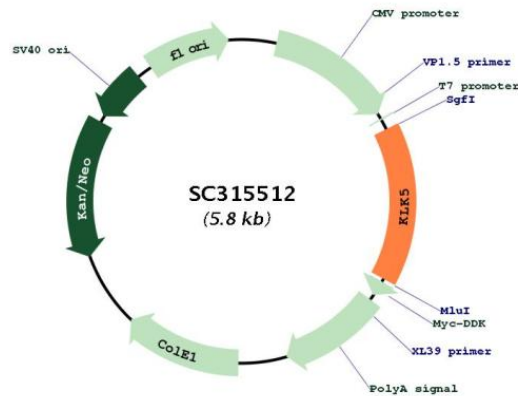
Product Type:	Expression Plasmids
Product Name:	Kallikrein 5 (KLK5) (NM_001077492) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLK5
Synonyms:	KLK-L2; KLKL2; SCTE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315512 representing NM_001077492. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTACAGCAAGACCCCTGGATGTGGGTGCTCTGTGCTCTGATCACAGCCTTGCTTCTGGGGTC
ACAGAGCATGTTCTCGCCAACAATGATGTTTCTGTGACCACCCCTAACACCGTGCCCTCTGGGAGC
AACCAGGACCTGGGAGCTGGGGCCGGGAAGACGCCCGGTGGATGACAGCAGCAGCCGCATCATCAAT
GGATCCGACTGCGATATGCACACCCAGCCGTGGCAGGCCGCGTGTGCTAAGGCCAACAGCTCTAC
TGCGGGGCGGTGTTGGTGCATCCACAGTGGCTGCTCACGGCCGCCACTGCAGGAAGAAAGTTTTAGA
GTCCGTCTCGGCCACTACTCCCTGTACCAGTTTATGAATCTGGGCAGCAGATGTTCCAGGGGTCAA
TCCATCCCCACCTGGCTACTCCACCTGGCCACTTAACGACCTCATGCTCATAACTGAACAGA
AGAATTCGTCCTAAAGATGTCAGACCCATCAACGTCTCCTCTCATTGTCCTCTGCTGGGACAAAG
TGCTTGGTGTCTGGCTGGGGGACAACCAAGAGCCCAAGTGCACCTCCCTAAGGTCTCCAGTGCTTG
AATATCAGCGTGCTAAGTCAGAAAAGGTGCGAGGATGCTTACCCGAGACAGATAGATGACACCATGTTT
TGCGCCGGTGACAAAGCAGGTAGAGACTCCTGCCAGGGTATTCTGGGGGCTGTGGTCTGCAATGGC
TCCCTGCAGGGACTCGTGTCTGGGGAGATTACCCTTGTCGCCGGCCAACAGACCCGGTGTCTACAG
AACCTCTGCAAGTTCACCAAGTGGATCCAGGAAACCATCCAGGCCAACTCTGA
ACGCGTACGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001077492

Insert Size: 882 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_001077492.1](#)

RefSeq Size: 1367 bp

RefSeq ORF: 882 bp

Locus ID:	25818
UniProt ID:	Q9Y337
Cytogenetics:	19q13.41
Protein Families:	Druggable Genome, Protease, Secreted Protein, Transmembrane
MW:	32 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. Its expression is up-regulated by estrogens and progestins. The encoded protein is secreted and may be involved in desquamation in the epidermis. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. All variants encode the same protein.</p>