

Product datasheet for SC324849

Kallikrein 11 (KLK11) (NM_001136032) Human Untagged Clone

Product data:

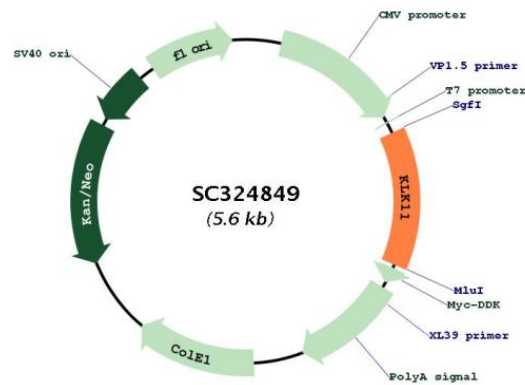
Product Type:	Expression Plasmids
Product Name:	Kallikrein 11 (KLK11) (NM_001136032) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLK11
Synonyms:	PRSS20; TLSP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC324849 representing NM_001136032. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGAGGATTCTGCAGTTAATCCTGCTTGCTCTGGCAACAGGGCTGTAGGGGGAGAGACCAGGATCATC
AAGGGGTTTCGAGTGCAAGCCTCACTCCCAGCCCTGGCAGGCAGCCCTGTTTCGAGAAGACGCGGCTACTC
TGTGGGGCGACGCTCATCGCCCCAGATGGCTCCTGACAGCAGCCACTGCCTCAAGCCCCGCTACATA
GTTACCTGGGGCAGCACAACCTCCAGAAGGAGGAGGGCTGTGAGCAGACCCGGACGCCACTGAGTCC
TTCCCCACCCCGGCTTCAACAACAGCCTCCCCAACAAAGACCACCGCAATGACATCATGCTGGTGAAG
ATGGCATCGCCAGTCTCCATCACCTGGGCTGTGCGACCCCTCACCTCTCCTCACGCTGTGTCACTGCT
GGCACCAGCTGCCTCATTTCGGCTGGGGCAGCAGTCCAGCCCCAGTTACGCCCTGCCTCACACCTTG
CGATGCGCCAACATCACCATCATTGAGCACCAGAAGTGTGAGAACGCCTACCCCGCAACATCACAGAC
ACCATGGTGTGTGCCAGCGTGCAGGAAGGGGGCAAGGACTCCTGCCAGGGTGACTCCGGGGGCCCTCTG
GTCTGTAACCAAGTCTCTTCAAGGCATTATCTCCTGGGGCCAGGATCCGTGTGCGATCACCCGAAAGCCT
GGTGTCTACACGAAAGTCTGCAAAATGTGGACTGGATCCAGGAGACGATGAAGAACAATTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001136032

Insert Size: 753 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_001136032.2](#)

RefSeq Size:	1195 bp
RefSeq ORF:	753 bp
Locus ID:	11012
UniProt ID:	Q9UBX7
Cytogenetics:	19q13.41
Protein Families:	Druggable Genome, Protease, Secreted Protein
MW:	27.5 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. Alternate splicing and the use of alternate promoters results in multiple transcript variants encoding distinct isoforms which are differentially expressed. [provided by RefSeq, Dec 2016]</p> <p>Transcript Variant: This variant (4) has an alternate 5' terminal exon, which results in a downstream translation start codon, compared to variant 2. The encoded isoform (1) has a shorter N-terminus than isoform 2, and is preferentially expressed in brain. Variants 1 and 4 encode the same isoform 1.</p>