

Product datasheet for **SC310595**

Kallikrein 15 (KLK15) (NM_017509) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kallikrein 15 (KLK15) (NM_017509) Human Untagged Clone
Tag:	Tag Free
Symbol:	Kallikrein 15
Synonyms:	ACO; HSRNASPH
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_017509 edited ACTGCAGCCGAACCCTGGTCCCTCCACAATGTGGCTTCTCCTCACTCTCCTTCCT GCTGGCATCCACAGCAGCCAGGATGGTGACAAGTTGCTGGAAGGTGACGAGTGTGCACC CCACTCCCAGCCATGGCAAGTGGCTCTCTACGAGCGTGGACGCTTTAACTGTGGCCTTC CCTCATCTCCCCACACTGGGTGCTGTCTGCGGCCCACTGCCAAAGCCGCTTCATGAGAGT GCGCCTGGGAGAGCACAACCTGCGCAAGCGCGATGGCCAGAGCAACTACGGACCACGTC TCGGGTCAATCCACACCCGCGCTACGAAGCGCGCAGCCACCGCAACGACATCATGTTGCT GCGCCTAGTCCAGCCCGCAGCCTGAACCCCAAGGTGCGCCCCGCGGTGCTACCCACGCG TTGCCCCACCCGGGGAGGCCCTGTGTGGTGTCTGGCTGGGGCCTGGTGTCCACAACGA GCCTGGGACCGCTGGGAGCCCCCGGTACAAGTGAGTCTCCAGATACGTTGCATTGTGC CAACATCAGCATTATCTCGGACACATCTTGTGACAAGAGCTACCCAGGGCGCCTGACAAA CACCATGGTGTGTGCAGGCGCGGAGGGCAGAGGCGCAGAATCCTGTGAGGGTGACTCTGG GGGACCCCTGGTCTGTGGGGCATCCTGCAGGGCATTGTGTCCTGGGGTGACGTCCTTTG TGACAACACCACCAAGCCTGGTGTCTATACCAAAGTCTGCCACTACTTGGAGTGGATCAG GGAAACCATGAAGAGGAAGTACTATTCTAGCCTATCTCCTGTGCCCTGACTGAGCAGA AGCCCCACAGCGGG



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_017509 unedited CCTGACTCGGTATACGACTCCTATAGGGCGGCCGGCAAACAGATCTGGTACCGGGCCCC CCCTCGAGGTCGACGGTATCGATAAGCTTGATATCGAATTCCTGCAGCCCGGGGATCCG CCCACTGCAGCCGAACCTGGTCCCTCCTCCACAATGTGGCTTCTCCTACTCTCCTT CCTGCTGGCATCCACAGCAGCCAGGATGGTGACAAGTTGCTGGAAGGTGACGAGTGTGC ACCCCACTCCCAGCCATGGCAAGTGGCTCTCTACGAGCGTGGACGCTTTAACTGTGGCGC TTCCCTCATCTCCCACACTGGGTGCTGTCTGCGGCCCACTGCCAAAGCCGCTTCATGAG AGTGCGCCTGGGAGAGCACAACCTGCGCAAGCGCGATGGCCAGAGCAACTACGGACCAC GTCTCGGGTCATTCCACACCCCGCTACGAAGCGCGCAGCCACC GCAACGACATCATGTT GCTGCGCTAGTCCAGCCCGCACGCTGAACCCCAAGGTGCGCCCGCGGTGCTACCCAC GCGTTGCCCCACCCGGGGAGGCTGTGTGGTGTCTGGCTGGGGCTGGTGTCCACAA CGAGCCTGGGACCGCTGGGAGCCCCGGTCACAAGTGAGTCTCCAGATACGTTGCATTG TGCCAACATCAGCATTATCTCGGACACATCTTGTGACAAGAGCTACCCAGGGCGCCTGAC AAACACCATGGTGTGTGAGGCGCGGAGGGCAGAGGCGCAGAATCCTGTGAGGGTGACTC TGGGGGACCCCTGGTCTGTGGGGCATCCTGCAGGCATTGTCTCTGGGGTGACGTCCT TGTGACACACCACCAAGCCTGGTGTCTATACCAAAGTCTGCCACTACTGGAGTGATCA GGAAACCATGAAGAGGAACTGA
Restriction Sites:	Please inquire
ACCN:	NM_017509
Insert Size:	900 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<ol style="list-style-type: none"> 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_017509.2</u> , <u>NP_059979.2</u>
RefSeq Size:	1309 bp
RefSeq ORF:	771 bp
Locus ID:	55554
UniProt ID:	<u>Q9H2R5</u>
Cytogenetics:	19q13.33

Protein Families: Druggable Genome, Protease, Secreted Protein

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 (4) represents the longest transcript and encodes the longest isoform (4, also known as the classical form).