

## Product datasheet for **SC212773**

### Prostate Specific Antigen (KLK3) (NM\_001030047) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** Prostate Specific Antigen (KLK3) (NM\_001030047) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** KLK3  
**Synonyms:** APS; hK3; KLK2A1; PSA  
**ACCN:** NM\_001030047  
**Insert Size:** 1178 bp  
**Insert Sequence:** >SC212773 3'UTR clone of NM\_001030047  
The sequence shown below is from the reference sequence of NM\_001030047. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCCCTAGTGCCCTGGAGAGGAGGTGTCTAGTCAGAGAGTAGTCTGGAAGTGGCCCTCTGTGAGGAGCC
ACGGGGACAGCATCTCGCAGATGGTCCCTGGCCCTTGTCACCGACCTGTCTACAAGGACTGTCCCTCGT
GGACCCTCCCCTCTGCACAGGAGCTGGACCCTGAAGTCCCTTCCCACCGCCAGGACTGGAGCCCCTA
CCCCTCTGTTGGAATCCCTGCCACCTTCTTCTGGAAGTCGGCTCTGGAGACATTCTCTCTTCTCCA
AAGCTGGAACTGCTATCTGTTATCTGCCTGTCCAGGTCTGAAAGATAGGATTGCCAGGCAGAACTG
GGACTGACCTATCTCACTCTCTCCCTGCTTTTACCCTTAGGGTGATTCTGGGGGCCCACTGTCTGTAA
TGGTGTGCTTCAAGGTATCACGTCATGGGGCAGTGAACCATGTGCCCTGCCGAAAGGCCTTCCCTGTA
CACCAAGGTGGTGCATTACCGAAGTGGATCAAGGACACCATCGTGGCCAACCCCTGAGCACCCCTATC
AACCCCTATTGTAGTAACTTGAACCTTGGAAATGACCAGGCCAAGACTCAAGCCTCCCAGTTCTA
CTGACCTTTGCTTAGGTGTGAGGTCCAGGGTTGCTAGGAAAAGAAATCAGCAGACACAGGTGTAGAC
CAGAGTGTTCCTAAATGGTGAATTTTGTCTCTCTGTGTCTGGGAACTACTGGCCATGCCTGGAGA
CATATCACTCAATTTCTCTGAGGACACAGATAGGATGGGGTGTCTGTGTTATTTGTGGGGTACAGAGAT
GAAAGAGGGGTGGGATCCACACTGAGAGAGTGGAGAGTGACATGTGCTGGACACTGTCCATGAAGCACT
GAGCAGAAGCTGGAGGCACAACGCACCAGACACTCACAGCAAGGATGGAGCTGAAACATAACCCACTC
TGTCTGGAGGCACTGGGAAGCCTAGAGAAGGCTGTGAGCCAAGGAGGGGAGGCTTCTCTTTGGCATGG
GATGGGGATGAAGTAAGGAGAGGGACTGGACCCCTGGAAGCTGATTCATATGGGGGAGGTGTATTG
AAGTCTCCAGACAACCCCTCAGATTTGATGATTTCTAGTAGAACTCACAGAAATAAAGAGCTGTTATA
CTGTG
ACGCGT AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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**Restriction Sites:** SgfI-MluI



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<a href="#">NM_001030047.1</a>
<b>Summary:</b>	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. The gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. It encodes a single-chain glycoprotein, a protease which is synthesized in the epithelial cells of the prostate gland, and is present in seminal plasma. It is thought to function normally in the liquefaction of seminal coagulum, presumably by hydrolysis of the high molecular mass seminal vesicle protein. The serum level of this protein, called PSA in the clinical setting, is useful in the diagnosis and monitoring of prostatic carcinoma. Alternate splicing of this gene generates several transcript variants encoding different isoforms. [provided by RefSeq, Dec 2019]
<b>Locus ID:</b>	354
<b>MW:</b>	43.2