

## Product datasheet for **SC203983**

### Prostate Specific Antigen (KLK3) (NM\_001030050) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Prostate Specific Antigen (KLK3) (NM_001030050) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	KLK3
Synonyms:	APS; hK3; KLK2A1; PSA
ACCN:	NM_001030050
Insert Size:	334 bp
Insert Sequence:	>SC203983 3'UTR clone of NM_001030050 The sequence shown below is from the reference sequence of NM_001030050. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CTCACAGCTGCCACTGCATCAGGAAGTGAAGTAGGGGCTGGGGTCTGGGGAGCAGGTGTCTGTGTCCC AGAGGAATAACAGCTGGGCATTTCCCCAGGATAACCTCTAAGGCCAGCCTTGGGACTGGGGGAGAGAG GGAAAGTTCTGGTTCAGGTCACATGGGGAGGCAGGTTGGGGCTGGACCACCCTCCCATGGCTGCCTG GGTCTCCATCTGTGTTCCCTCTATGTCTCTTTGTGTGCTTTTCATTATGTCTCTTGGAACCTGGCTTCGG TTGTGTCTCTCCGTGTGACTATTTGTTCTCTCTCCCTCTCTCTGTCTTTCAGT <b>ACGCGT</b> AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	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).
Components:	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.
RefSeq:	<u><a href="#">NM_001030050.1</a></u>



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**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. 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]

**Locus ID:**

354

**MW:**

12.1