

## Product datasheet for SC333860

### Kallikrein 8 (KLK8) (NM\_001281431) Human Untagged Clone

#### Product data:

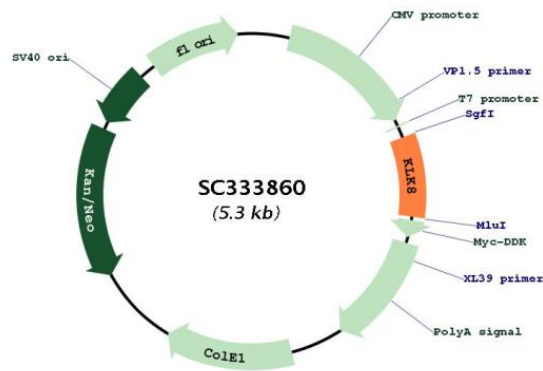
Product Type:	Expression Plasmids
Product Name:	Kallikrein 8 (KLK8) (NM_001281431) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLK8
Synonyms:	HNP; NP; NRPN; PRSS19; TADG14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333860 representing NM_001281431. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTTCTTCAACTGCGTGACCAGGCATCCCTGGGGTCCAAAGTGAAGCCCATCAGCCTGGCAGATCAT
TGCACCCAGCCTGGCCAGAAGTGCACCGTCTCAGGCTGGGGCACTGTCACCAGTCCCGAGAGAATTTT
CCTGACTCTCAACTGTGCAGAAGTAAAAATCTTCCCAAGAAGAAGTGTGAGGATGCTTACCCGGGG
CAGATCACAGATGGCATGGTCTGTGCAGGCAGCAGCAAAGGGGCTGACACGTGCCAGGGCGATTCTGGA
GGCCCCCTGGTGTGTGATGGTGCCTCCAGGGCATCACATCCTGGGGCTCAGACCCCTGTGGGAGGTCC
GACAAACCTGGCGTCTATACCAACATCTGCCGCTACCTGGACTGGATCAAGAAGATCATAGGCAGCAAG
GGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**


**ACCN:** NM\_001281431

**Insert Size:** 420 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).

**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\\_001281431.1](https://www.ncbi.nlm.nih.gov/RefSeq/ accession/nm_001281431.1)

RefSeq Size:	863 bp
RefSeq ORF:	420 bp
Locus ID:	11202
UniProt ID:	<a href="#">O60259</a>
Cytogenetics:	19q13.41
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
MW:	14.7 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 tandem in a gene cluster on chromosome 19. The encoded protein may be involved in proteolytic cascade in the skin and may serve as a biomarker for ovarian cancer. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]</p> <p>Transcript Variant: This variant (5, also known as T5) lacks an alternate exon in the 5' coding region and initiates translation at a downstream start codon, compared to variant 2. It encodes isoform 5 which is shorter at the N-terminus, compared to isoform 2. This variant is based on data in PMID: 20360129.</p>