

## Product datasheet for SC306151

### Kallikrein 8 (KLK8) (NM\_144505) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Kallikrein 8 (KLK8) (NM_144505) 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:	>SC306151 representing NM_144505. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGACGCCCCGACCTCGTGCGGCCAAGACGTGGATGTTCTGCTCTTGTGGGGGAGCCTGGGCA
GCGTGTGGAAGCCTGGACCTCCTACTAAGTTGTATGCGGAGAACTTGCCGTGTGCCATTTGAACCCA
CAGTGGCCTTCCAGCCCTCGCACTGCCCCAGAGGGTGGCGATCCAACCTCTCCCTCTGCTGCAGGA
CACTCCAGGGCACAGGAGGACAAGGTGCTGGGGGGTCAAGTGCACCAACCCATTGCGAGCCTTGGCAG
GCGGCCTTGTCCAGGGCCAGCAACTACTCTGTGGCGGTGCTCTGTAGGTGGCAACTGGGTCCTTACA
GCTGCCACTGTAAAAACCGAAATACACAGTACGCTGGGAGACCACAGCCTACAGAATAAAGATGGC
CCAGAGCAAGAAATACCTGTGGTTCAGTCCATCCACACCCCTGCTACAACAGCAGCGATGTGGAGGAC
CACAACCATGATCTGATGCTTCTTCAACTGCGTGACCAGGCATCCCTGGGGTCCAAAGTGAAGCCCATC
AGCCTGGCAGATCATTGCACCCAGCCTGGCCAGAAGTGCACCGTCTCAGGCTGGGGCACTGTACCAGT
CCCCGAGAGAATTTCTGACACTCTCAACTGTGAGAAGTAAAAATCTTCCCCAGAAGAAGTGTGAG
GATGCTTACCCGGGGCAGATCACAGATGGCATGGTCTGTGAGGAGCAGCAAAGGGGCTGACACGTGC
CAGGGCGATTCTGGAGGCCCTGGTGTGTGATGGTGCCTCCAGGGCATCACATCTGGGGCTCAGAC
CCCTGTGGGAGGTCGACAAACCTGGCGTCTATACCAACATCTGCCGCTACCTGGACTGGATCAAGAAG
ATCATAGGCAGCAAGGGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
Plasmid Map:	<input type="checkbox"/>
ACCN:	NM_144505



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<b>Insert Size:</b>	918 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_144505.2</a>
<b>RefSeq Size:</b>	1158 bp
<b>RefSeq ORF:</b>	918 bp
<b>Locus ID:</b>	11202
<b>UniProt ID:</b>	<a href="#">O60259</a>
<b>Cytogenetics:</b>	19q13.41
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane
<b>MW:</b>	33 kDa
<b>Gene Summary:</b>	<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 (2, also known as T2) represents the longest transcript and encodes the longest isoform (2).</p>