

Product datasheet for **SC317980**

TESK2 (NM_007170) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TESK2 (NM_007170) Human Untagged Clone
Tag:	Tag Free
Symbol:	TESK2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC317980 representing NM_007170.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

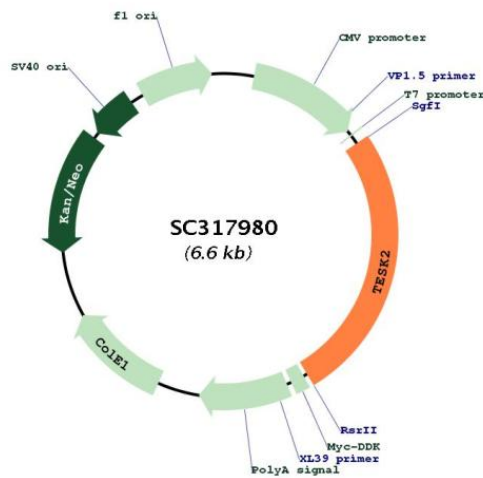
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Restriction Sites:

Sgfl-RsrII

Plasmid Map:



ACCN:	NM_007170
Insert Size:	1716 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:	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.
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_007170.2</u>
RefSeq Size:	3093 bp
RefSeq ORF:	1716 bp
Locus ID:	10420
UniProt ID:	<u>Q96S53</u>
Cytogenetics:	1p34.1
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
MW:	63.6 kDa
Gene Summary:	<p>This gene product is a serine/threonine protein kinase that contains an N-terminal protein kinase domain that is structurally similar to the kinase domains of testis-specific protein kinase-1 and the LIM motif-containing protein kinases (LIMKs). Its overall structure is most related to the former, indicating that it belongs to the TESK subgroup of the LIMK/TESK family of protein kinases. This gene is predominantly expressed in testis and prostate. The developmental expression pattern of the rat gene in testis suggests an important role for this gene in meiotic stages and/or early stages of spermiogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1).</p>