

## Product datasheet for **SC332179**

### **PASK (NM\_001252124) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PASK (NM\_001252124) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** PASK  
**Synonyms:** PASKIN; STK37  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332179 representing NM\_001252124.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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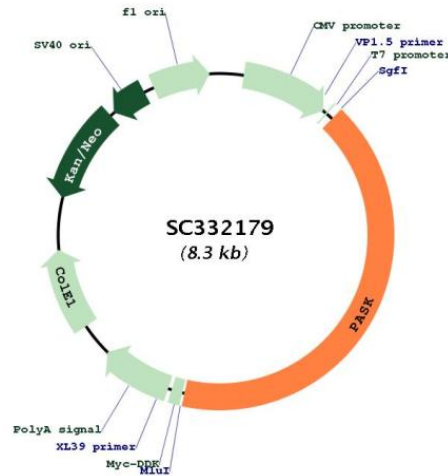


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```

**Restriction Sites:**

Sgfl-Mlul

**Plasmid Map:**



**ACCN:**

NM\_001252124

**Insert Size:**

3432 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).

<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>	<u><a href="#">NM_001252124.1</a></u>
<b>RefSeq Size:</b>	4882 bp
<b>RefSeq ORF:</b>	3432 bp
<b>Locus ID:</b>	23178
<b>UniProt ID:</b>	<u><a href="#">Q96RG2</a></u>
<b>Cytogenetics:</b>	2q37.3
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Stem cell - Pluripotency
<b>MW:</b>	123 kDa
<b>Gene Summary:</b>	<p>This gene encodes a member of the serine/threonine kinase family that contains two PAS domains. Expression of this gene is regulated by glucose, and the encoded protein plays a role in the regulation of insulin gene expression. Downregulation of this gene may play a role in type 2 diabetes. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]</p> <p>Transcript Variant: This variant (5) lacks a splice site in the 3' coding region, which results in a frameshift and alternate 3' UTR compared to variant 1. The encoded isoform (4) is shorter and has a distinct C-terminus, compared to isoform 1.</p>