

Product datasheet for **SC332177**

PASK (NM_001252120) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PASK (NM_001252120) Human Untagged Clone
Tag:	Tag Free
Symbol:	PASK
Synonyms:	PASKIN; STK37
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC332177 representing NM_001252120. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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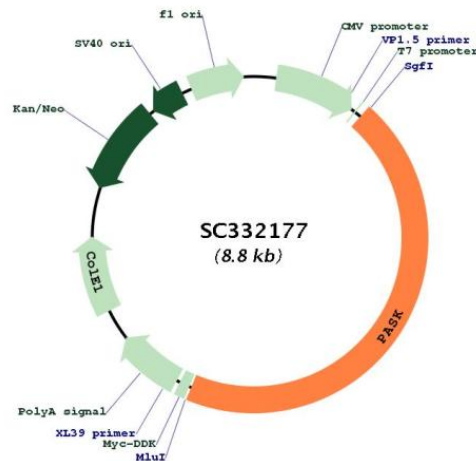
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Restriction Sites:

SgfI-MluI

Plasmid Map:



ACCN:

NM_001252120

Insert Size:	3972 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:	<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_001252120.1</u>
RefSeq Size:	4741 bp
RefSeq ORF:	3972 bp
Locus ID:	23178
UniProt ID:	<u>Q96RG2</u>
Cytogenetics:	2q37.3
Protein Families:	Druggable Genome, Protein Kinase, Stem cell - Pluripotency
MW:	142.9 kDa
Gene Summary:	<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 (3) differs in the 5' UTR and uses an alternate splice site in the 3' coding region, but maintains the reading frame, compared to variant 1. Variants 2 and 3 encode the same isoform (2), which is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>