

## Product datasheet for **SC111707**

### PIP5K2 beta (PIP4K2B) (NM\_003559) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PIP5K2 beta (PIP4K2B) (NM_003559) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIP5K2 beta
Synonyms:	PI5P4KB; PIP5K2B; PIP5KIIB; PIP5KIIBeta; PIP5P4KB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111707 sequence for NM_003559 edited (data generated by NextGen Sequencing)

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ATGTCGTCCTCAACTGCACCAGCACCACGGCGGTGGCGGTGGCGCCGCTCAGCGCCAGCAAG
ACCAAGACCAAGAAGAAGCATTTTCGTGTGCCAGAAAGTGAAGCTATTCCGGGCCAGCGAG
CCGATCCTCAGCGTCTGATGTGGGGGTGAACCACACGATCAATGAGCTGAGCAATGTT
CCTGTTCTGTGCTAATGCCAGATGACTTCAAAGCCTACAGCAAGATCAAGGTGGAC
AATCATCTCTTCAATAAGGAGAACTGCCAGCCGCTTTAAGTTAAGGAGTATTGCCCC
ATGGTGTTCGAAACCTTCGGGAGAGGTTTGAATTGATGATCAGGATTACCAGAATTCA
GTGACGCGCAGCGCCCCATCAACAGTGACAGCCAGGGTGGTGTGGCACGCGTTTCCTC
ACCACCTACGACCGCGCTTTGTCATCAAGACTGTGTCCAGCGAGGACGTGGCGGAGATG
CACAACATCTTAAAGAAATACCACCAGTTTATAGTGGAGTGTGATGGCAACACGTTTTG
CCACAGTTCTGGGCATGTACCGCTGACCGTGGATGGTGTGGAAACCTACATGGTGGTT
ACCAGGAACGTGTTACGCCATCGGCTCACTGTGATCGCAAGTATGACCTCAAGGTTCT
ACGGTTGCCAGAGAAGCGAGCGACAAGGAGAAGGCCAAGGACTTGCCAACATTCAAAGAC
AATGACTTCTCAATGAAGGGCAGAAGCTGCATGTGGGAGAGGAGTAAAAAGAACTTC
CTGGAGAACTGAAGCGGGACGTTGAGTTCTTGGCACAGCTGAAGATCATGGACTACAGC
CTGCTGGTGGGCATCCACGACGTGGACCGGGCAGAGCAGGAGGAGATGGAGGTGGAGGAG
CGGGCAGAGGACGAGGAGTGTGAGAATGATGGGGTGGGTGGCAACCTACTCTGCTCCTAT
GGCACACCTCCGGACAGCCCTGGCAACCTCCTCAGCTTTCTCGGTTCTTTGGTCTGCGG
GAATTCGACCCCTCTGTTGACGTCTATGCCATGAAAAGCCATGAAAGTTCCCCAAGAAG
GAGGTGTATTTTATGGCCATCATTGATATCCTCACGCCATACGATACAAAGAAAGAAAGCT
GCACATGCTGCCAAAACGGTGAACACGGGGCAGGGGCCGAGATCTCGACTGTGAACCTT
GAGCAGTACTCCAACGCTTCAACGAGTTTATGTCCAACATCCTGACGTAG
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Clone variation with respect to NM\_003559.4



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<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_003559.3</a> , <a href="#">NP_003550.1</a>
<b>RefSeq Size:</b>	3878 bp
<b>RefSeq ORF:</b>	1251 bp
<b>Locus ID:</b>	8396
<b>UniProt ID:</b>	<a href="#">P78356</a>
<b>Cytogenetics:</b>	17q12
<b>Domains:</b>	PIP5K
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Endocytosis, Fc gamma R-mediated phagocytosis, Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system, Regulation of actin cytoskeleton
<b>Gene Summary:</b>	The protein encoded by this gene catalyzes the phosphorylation of phosphatidylinositol-5-phosphate on the fourth hydroxyl of the myo-inositol ring to form phosphatidylinositol-5,4-bisphosphate. This gene is a member of the phosphatidylinositol-5-phosphate 4-kinase family. The encoded protein sequence does not show similarity to other kinases, but the protein does exhibit kinase activity. Additionally, the encoded protein interacts with p53 TNF receptor. [provided by RefSeq, Jul 2008]