

## Product datasheet for **SC310784**

### **PICK1 (NM\_001039584) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PICK1 (NM_001039584) Human Untagged Clone
Tag:	Tag Free
Symbol:	PICK1
Synonyms:	PICK; PRKCABP
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL6</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_001039584 edited  
 GTGGGTTCAGGTACCAGCCTGGCCGGGACCCGGCTGTGGGACCAACGCTTCCGGTGAGCG  
 ACAGAGGCAGCTCCCCAGGCCTGGAGACCCGTGGGGCGGACTCTGGGATCTGAGCCTAT  
 CGCCCTGGCCTGGAGCCCCCTTTGTACCTATTCCTTCCCTACCGAGCTGGGCAGT  
 TAGCCAGCCCACTCCAACCTCTCGAACCATGTTTGCAGACTTGGATTATGACATCGAAGA  
 GGATAAACTCGGAATCCCAGCTGTCCCTGGGAAGGTGACCCTGCAGAAGGATGCTCAGAA  
 CCTGATCGGGATCAGCATTGGAGGAGGGGCCAGTACTGTCCCTCTATATCGTCCA  
 GGTATTTGACAACACCCAGCAGCCTTGGACGGCACAGTGGCAGCTGGCGATGAGATCAC  
 CGTGTCAATGGCAGGTCAATCAAAGGGAAAATAAGGTGGAGGTGGCGAAGATGATTCA  
 GGAGGTGAAGGGGGAGGTGACCATCCTACAACAAGCTGCAGGCGGACCCCAAGCAGGG  
 CATGTCCCTGGACATTGTGTGAAGAAAGTCAAGCACCGGCTGGTGGAGAACATGAGTTC  
 AGGGACCCGAGATGCTCTGGCCTGAGCCGGCCATCCTGTGCAATGATGGGCTTGTCAA  
 GAGGCTAGAGGAGCTGGAGCGGACCGCTGAGCTATACAAAGGATGACGGAACACACCAA  
 GAACCTCTACGGGCCTTTTATGAGCTGTCCAGACTCACGGGCCTTTGGGGACGTGTT  
 CTCGTGATCGGGTGGGGAGCCCGAGCCAGCTGCGAGCGAGGCTTTTGTGAAGTTCGC  
 CGATGCCACCGCAGCATCGAGAAGTTCGGCATTTCGGCTTCTGAAAACATCAAGCCGAT  
 GCTGACGGATCTGAACACGTACCTCAACAAGCCATCCCGGACACTCGCCTCACCATCAA  
 GAAGTACCTGGACGTGAAGTTTGTGACCTGTCGTAAGGTGAAGGAGATGGA  
 TGACGAGGAATACAGCTGCATTGCCCTAGGCGAGCCCCTTACCGGGTGAACACCGCAA  
 CTATGAGTACCGCCTGATCCTGCGCTGCCGCCAGGAGGCGCGCCCGCTTCTCCAGAT  
 GCGCAAGGATGTCTGGAGAAGTGGAGCTGCTGGACCAGAAGCAGTCCAGGACATCGT  
 GTTCCAGCTGCAGCCCTCGTGTCCACCATGTCCAAGTACTACAACGACTGCTACGCAGT  
 GCTGCGGATGCCGAGCTTCCCCTCGAGGTAGACTGGCGCACACCACATTGGCCTA  
 TGGCCTCAACCAGGAGGTTTACAGATGGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG  
 AGCTGGGAGCCGTCCAGGGATACACGAGGGGCTGCTGGGCCCTTGGACAAGGTGGAAG  
 CTGGTGTGACTCTGAGTGCCCCCGGCTGTGGTGGCGGGGCGAGGTCGCTGGGAGGAC  
 GGAGCCTGGGAGCGGGCGGGCCCGCCGCAAGGGGGCGACGCATAAAGGCCTGCTGGC  
 TTGGGGCGCCTGCCTCCCTGCTCTGTCTCGCACAGCGAACCTGGGCTCCTGCCAG  
 GACAGGCACAGGTCATGGCCTGGGACCTGGACTGGCCCTCCACCCTCCCTCCCT  
 CCCGGCTCCCCGCCAGAGGGAGAGCTTGGTCTCTGGACCTGCCTTAGGAAGGAGAGGGA  
 GGGCAGGAAGGAAAAGAAAGGACTTGGAGGTGGCAGGAGTCCGAGCCCTGCTCCTTGTGG  
 GCCTCACAAGTCCCCCGAGCCTGCTGGGAGTGGGGCCAGCCGTGGACAGCTGAGGTTG  
 GGTCAATGCCTCCTGGGCACCCCTTGCCTCGCCCCAGACCGGCCCGTCCAGTCCCATCA  
 CACCTCGGCGGCCTTTATTTATTCTGTTCCCCAGCTCGGCCACTTCTCTGAAGGAGGGC  
 TGGGTTCTGGGCCTGTATCGAATAAACACAAACCTGGATGGCGCAAAAAAAAAAAAAAAAA  
 AA

**Restriction Sites:** Please inquire

**ACCN:** NM\_001039584

**Insert Size:** 2000 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:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM\_001039584.1.

**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).

<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_001039584.1</a> , <a href="#">NP_001034673.1</a>
<b>RefSeq Size:</b>	2073 bp
<b>RefSeq ORF:</b>	1248 bp
<b>Locus ID:</b>	9463
<b>UniProt ID:</b>	<a href="#">Q9NRD5</a>
<b>Cytogenetics:</b>	22q13.1
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>The protein encoded by this gene contains a PDZ domain, through which it interacts with protein kinase C, alpha (PRKCA). This protein may function as an adaptor that binds to and organizes the subcellular localization of a variety of membrane proteins. It has been shown to interact with multiple glutamate receptor subtypes, monoamine plasma membrane transporters, as well as non-voltage gated sodium channels, and may target PRKCA to these membrane proteins and thus regulate their distribution and function. This protein has also been found to act as an anchoring protein that specifically targets PRKCA to mitochondria in a ligand-specific manner. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. All three variants encode the same protein.</p>