

Product datasheet for **SC324447**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001039584.1
 GTGGGTTACAGTACCAGCCTGGCCGGACCCGGCTGTGGGACCAACGCTTCCGGTGAGCG
 ACAGAGGCAGCTCCCCAGGGCCTGGAGACCCGTGGGGCGGACTCTGGGATCTGAGCCTAT
 CGCCCTGGCCTGGAGCCCCCTTTGTACCTATCCCCATTCCCCTACCGAGCTGGGCAGT
 TAGCCAGCCCACTCCAACCTCTCGGAACCATGTTTGACACTTGGATTATGACATCGAAGA
 GGATAAACTCGGAATCCCGACTGTGCCTGGGAAGGTGACCTGCAGAAGGATGCTCAGAA
 CCTGATCGGGATCAGCATTGGAGGAGGGGCCAGTACTGTCCCTCTATATCGTCCA
 GGTATTTGACAACACCCAGCAGCCTTGGACGGCACAGTGGCAGCTGGCGATGAGATCAC
 CGTGTC AATGGCAGGTCAATCAAAGGGAAAATAAGGTGGAGGTGGCGAAGATGATTCA
 GGAGGTGAAGGGGGAGGTGACCATCCACTACAACAAGCTGCAGGCGGACCCCAAGCAGGG
 CATGTCCCTGGACATTGTGTTGAAGAAAGTCAAGCACCGGCTGGTGGAGAACATGAGTTC
 AGGGACCCGAGATGCTCTGGGCCTGAGCCGGGCCATCCTGTGCAATGATGGGCTTGTC A
 GAGGCTAGAGGAGCTGGAGCGGACCGCTGAGCTATACAAAGGGATGACGGAACACACCAA
 GAACCTCTACGGGCCTTTTATGAGCTGTGCGAGACTCACCGGCCTTTGGGACGTGTT
 CTCGGTATCGGGGTGCGGGAGCCCGAGCCAGCTGCGAGCGAGGCTTTTGTGAAGTTCGC
 CGATGCCACCGCAGCATCGAGAAGTTCGGCATTTCGGCTTCTGAAAACCATCAAGCCGAT
 GCTGACGGATCTGAACACGTACCTCAACAAGCCATCCCGGACACTCGCCTCACCATCAA
 GAAGTACCTGGACGTGAAGTTTGTAGTACCTGTGCTACTGCCTGAAGGTGAAGGAGATGGA
 TGACGAGGAATACAGCTGCATTGCCCTAGGCGAGCCCCTTACC GGGTGAGCACC GGCAA
 CTATGAGTACCGCCTGATCCTGCGCTGCCGCCAGGAGGCGCGCCCGCTTCTCCAGAT
 GCGCAAGGATGTGCTGGAGAAGTGGAGCTGCTGGACCAGAAGCACGTCCAGGACATCGT
 GTTCCAGCTGCAGCGCCTCGTGTCCACCATGTCCAAGTACTACAACGACTGCTACGCAGT
 GCTGCGGGATGCCGAGCTTTCCCATCGAGGTAGACTGGCGCACACCACATTGGCCTA
 TGGCCTCAACCAGGAGGAGTTCACAGATGGGGAGGAGGAGGAGGAGGAGGAAAGACACGGC
 AGCTGGGAGCCGTCCAGGGATACACGAGGGGCTGCTGGGCCCTTGGACAAGGGTGAAG
 CTGGTGTGACTCCTGAGTGCCCCCGGCTGTGGTGCCGGGGGAGGGTGCCTGGGAGGAC
 GGAGCCTGGGAGCGGGCGGGCCCGCCGCAAGGGGGCGACGCATAAAGGCCTGCTGGC
 TTGGGGCGCCTGCCTCCCTGCTCCTGTCTCGCACAGCGAACCTGGGCTCCTGCCAG
 GACAGGCACCAGGGTCATGGCCTGGGACCTGGACTGGCCCTCCACCCTCCCTCCCT
 CCCGGCTCCCCGGCCAGAGGGAGAGCTTGGTCTCTGGACCTGCCTTAGGAAGGAGAGGGA
 GGGCAGGAAGGAAAAGAAAGGACTTGGAGGTGGCAGGAGTCCGAGCCCTGCTCCTTGTGG
 GCCTCACACTGCCCCCGAGCCTGCTGGGAGTGGGGCCAGCCGTGGACAGCTGAGGTTG
 GGGTCAATGCCTCCTGGGCACCCTTGCCTGCCCCAGACCGGCCCTCCAGTCCCATCA
 CACCTCGGCGGCCTTTATTTATTCTGTTCCCCAGCTCGGCCACTTCTCTGAAGGAGGGC
 TGGGTTCTGGGCCTGTATCGAATAAACACAAACCTGGATGGCGCAAAAAAAAAAAAAAAAA
 AA

Restriction Sites: Please inquire

ACCN: NM_001039584

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:	NM_001039584.1 , NP_001034673.1
RefSeq Size:	2073 bp
RefSeq ORF:	1248 bp
Locus ID:	9463
UniProt ID:	Q9NRD5
Cytogenetics:	22q13.1
Protein Families:	Druggable Genome
Gene Summary:	<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>