

## Product datasheet for **SC115422**

### **PICK1 (NM\_012407) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PICK1 (NM_012407) Human Untagged Clone
Tag:	Tag Free
Symbol:	PICK1
Synonyms:	PICK; PRKCABP
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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**Reconstitution Method:**

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\\_012407.2](#), [NP\\_036539.1](#)

**RefSeq Size:** 2083 bp

**RefSeq ORF:** 1248 bp

**Locus ID:** 9463

**UniProt ID:** [Q9NRD5](#)

**Cytogenetics:** 22q13.1

**Domains:** PDZ

**Protein Families:** Druggable Genome

**Gene Summary:** 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]

Transcript Variant: This variant (1) represents the longest transcript. All three variants encode the same protein.