



# Recombinant Protein Technical Manual

## Recombinant Human PACSIN1/Syndapin Protein (His Tag) RPES1058

### Product Data:

**Product SKU:** RPES1058

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** Q9BY11

### Protein Information:

**Molecular Mass:** 52.0 kDa

**AP Molecular Mass:** 52 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Protein Kinase C and Casein Kinase Substrate in Neurons Protein 1; PACSIN1; KIAA1379

## Immunogen Information:

**Sequence:** Met 1-Ile444

## Background:

Protein Kinase C and Casein Kinase Substrate in Neurons Protein 1 (PACSIN1) belongs to the PACSIN family. PACSIN1 contains one FCH domain and one SH3 domain. PACSIN1 is highly expressed in the brain and at lower levels in the heart, pancreas, and liver. PACSIN1 may play a role in vesicle formation and transport. PACSIN1 has been shown to interact with DNM1, PACSIN3, Huntingtin, and PACSIN2. In addition, PACSIN1 is phosphorylated by casein kinase 2 (CK2) and protein kinase C (PKC).