



# Recombinant Protein Technical Manual

## Recombinant Human PIK3IP1 Protein (His Tag)

RPES2001

### Product Data:

**Product SKU:** RPES2001

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** Q96FE7

### Protein Information:

**Molecular Mass:** 16.7 kDa

**AP Molecular Mass:** 11&30-40 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:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of 50mM TrisHCl, 10mM reduced Glutathione, PH8.0.

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

**Application:**

**Synonyms:** Kringle domain-containing protein HGFL; PIK3IP1; HGFL

## Immunogen Information:

**Sequence:** Ser22-Thr168

## Background:

Phosphoinositide-3-kinase-interacting protein 1 (PIK3IP1) is an enzyme that in humans is encoded by the PIK3IP1 gene. It is a negative regulator of phosphatidylinositol-3-kinase (PI3K), suppresses the development of hepatocellular carcinoma. The gene encoding PIK3IP1 maps to human chromosome 22, which houses over 500 genes and is the second smallest human chromosome. Mutations in several of the genes that map to chromosome 22 are involved in the development of Phelan-McDermid syndrome, Neurofibromatosis type 2, autism and schizophrenia.