



# Recombinant Protein Technical Manual

## Recombinant Human APLP Protein (aa 42-212, His Tag)

RPES4624

### Product Data:

**Product SKU:** RPES4624

**Size:** 10µg

**Species:** Human

**Expression host:** Human Cells

**Uniprot:** P51693

### Protein Information:

**Molecular Mass:** 19.8 kDa

**AP Molecular Mass:** 18-20 kDa

**Tag:** C-His

**Bio-activity:**

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

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

**Storage:** Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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 PBS, 1mM EDTA, pH7.4.

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

**Application:**

**Synonyms:** Amyloid-like protein 1; APLP; APLP; C30; APLP1

## Immunogen Information:

**Sequence:** Gly42-Pro212

## Background:

Amyloid-like protein 1 (APLP) is a member of the highly conserved amyloid precursor protein gene family. APLP1 is a membrane-associated glycoprotein that is cleaved by secretases in a manner similar to amyloid beta A4 precursor protein cleavage. APLP1, together with APLP2, are important modulators of glucose. APLP1 may also play a role in synaptic maturation during cortical development, and is genetically linked to Alzheimer's disease.