



Recombinant Protein Technical Manual

Recombinant Human APLP Protein (aa 1-580, His Tag)
RPES4294

Product Data:

Product SKU: RPES4294

Size: 20µg

Species: Human

Expression host: HEK293 Cells

Uniprot: P51693

Protein Information:

Molecular Mass: 61.9 kDa

AP Molecular Mass: 67-77 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 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 sterile PBS, PH 7.4

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

Application:

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

Immunogen Information:

Sequence: Met 1-Glu580

Background:

APLP1, also known as amyloid-like protein 1, 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. Alternatively spliced transcript variants encoding different isoforms have been described. APLP1 also is a mammalian homologue of amyloid precursor protein (APP). APP is a type I membrane protein that is genetically linked to Alzheimer's disease.