

# Human APLP2 Protein

Cat. No. ALP-HM102



## Description

<b>Source</b>	Recombinant Human APLP2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly32-Ser692.
<b>Accession</b>	Q06481-1
<b>Molecular Weight</b>	The protein has a predicted MW of 77.16 kDa. Due to glycosylation, the protein migrates to 85-100 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

Amyloid  $\beta$  precursor-like protein 2 (APLP2) has been determined to serve an important role in the progression of a number of cancer types. APLP2 expression was significantly associated with disease-specific survival ( $P < 0.001$ ). APLP2 may be used to potentially predict patient prognosis, and to guide clinical diagnosis and treatment in CCRCC.

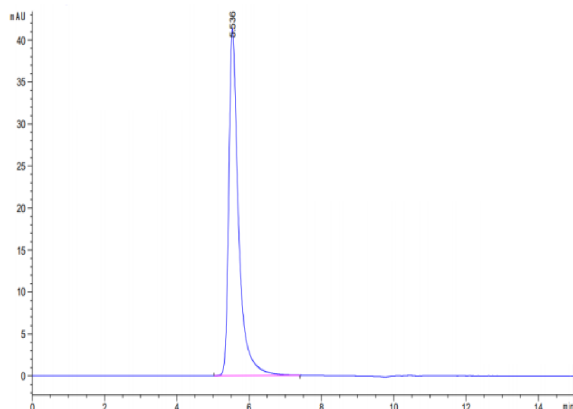
## Assay Data

### Bis-Tris PAGE



Human APLP2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC



The purity of Human APLP2 is greater than 95% as determined by SEC-HPLC.