

Datasheet for ABIN7538131

APCS Protein (AA 17-524) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	APCS
Protein Characteristics:	AA 17-524
Origin:	Human
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APCS protein is labelled with His tag.

Product Details

Purpose:	Recombinant human SAP Protein with C-terminal 6xHis tag
Specificity:	SAP (Gly17-Asn524) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	APCS
Alternative Name:	SAP (APCS Products)
Background:	This gene encodes a highly conserved preproprotein that is proteolytically processed to

Target Details

generate four main cleavage products including saposins A, B, C, and D. Each domain of the precursor protein is approximately 80 amino acid residues long with nearly identical placement of cysteine residues and glycosylation sites. Saposins A-D localize primarily to the lysosomal compartment where they facilitate the catabolism of glycosphingolipids with short oligosaccharide groups. The precursor protein exists both as a secretory protein and as an integral membrane protein and has neurotrophic activities. Mutations in this gene have been associated with Gaucher disease and metachromatic leukodystrophy. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Feb 2016]

Molecular Weight: predicted molecular mass of 57.3 kDa after removal of the signal peptide. The apparent molecular mass of SAP-His is 55-70 kDa due to glycosylation.

UniProt: [P07602](#)

Application Details

Restrictions: For Research Use only

Handling

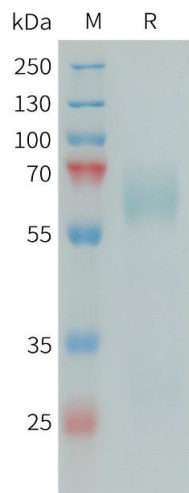
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human SAP Protein, His Tag on SDS-PAGE under reducing condition.