

Datasheet for ABIN7317152

Prosaposin Protein (PSAP) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Prosaposin (PSAP)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Prosaposin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PSAP/Prosaposin Protein (His Tag)
Sequence:	Met 1-Asn524
Characteristics:	A DNA sequence encoding the human PSAP (NP_002769.1) (Met1-Asn524) was expressed with a polyhistidine tag at the C-terminus.
Purity:	> (79.8+19.7) % as determined by reducing SDS-PAGE..
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

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

Target Details

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.

Synonym: GLBA,SAP1

Molecular Weight: 57.9 kDa

NCBI Accession: [NP_002769](#)

Pathways: [Positive Regulation of Endopeptidase Activity](#)

Application Details

Restrictions: For Research Use only

Handling

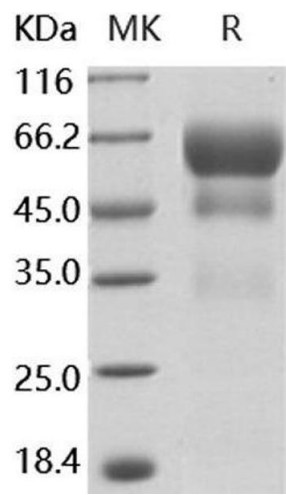
Format: Lyophilized

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

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, 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.



Western Blotting

Image 1.