PRODUCT INFORMATION

Target	SAP
Synonyms	GLBA; SAP1; SAP2; PSAPD; PARK24; PSAP
Description	Recombinant human SAP Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P07602
Expression Host	HEK293
Tag	C-6×His tag
Molecular Characterization	SAP(Gly17-Asn524) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 57.3 kDa after removal of the signal peptide. The apparent molecular mass of SAP-His is approximately 55-70 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.
Storage&Shipping	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.
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 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]
Usage	Research use only
Conjugate	Unconjugated

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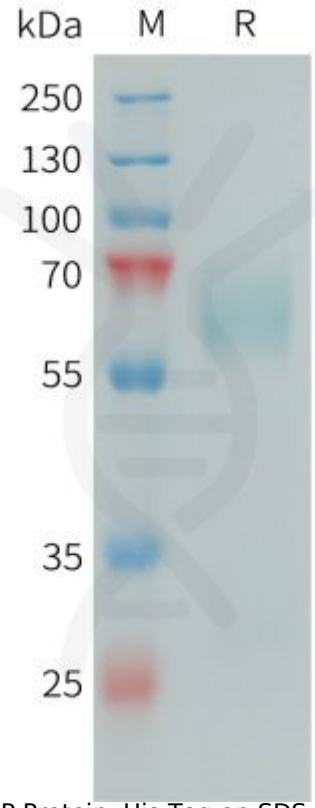


Figure 1. Human SAP Protein, His Tag on SDS-PAGE under reducing condition.

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