## PRODUCT INFORMATION

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|---|---|
| **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 |



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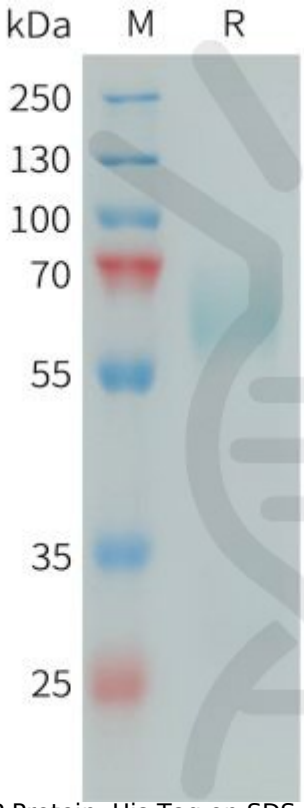


Figure 1. Human SAP Protein, His Tag on SDS-PAGE under reducing condition.



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