

## Prosaposin Human Recombinant

<b>Item Number</b>	rAP-3997
<b>Synonyms</b>	Prosaposin, Proactivator polypeptide, PSAP, GLBA, SAP1.
<b>Description</b>	PSAP Human Recombinant produced in HEK cells is a single, glycosylated, polypeptide chain (a.a 17-524) containing a total of 518 amino acids, having a molecular mass of 57.7kDa (calculated), though it migrates at approximately 65kDa on SDS PAGE, the PSAP is fused to a 2 a.a N-terminal linker, a 2 a.a C-terminal
<b>Uniprot Accession Number</b>	P07602
<b>Amino Acid Sequence</b>	ASGPVLGLKE CTRGSAVWCQ NVKTASDCGA VKHCLQTVWN KPTVKSLPCD ICKDVVTAAG DMLKDN- ATEE EILVYLEKTC DWLPKPNMSA SCKEIVDSYL PVILDIKGE MSRPGEVCSA LNLCESLQKH LAELNHQKQL ESNKIPELDM TEVVAPFMAN IPLLLYPQDG PRSKPQPKDN GDVCQDCIQM VTDIQTAVRT NSTFVQALVE HVKEECDRLG PGMADICKNY ISQYSEIAIQ MMMHMQPKEI CALVGFCDDEV KEMPMQTLVP AKVASKNVIP ALELVEPIKK HEVPAKSDVY CEVCEFLVKE VTKLIDNNT- EKEILDAFDK MCKSLPKSLS EECQEVVDY GSSILSILLE EVSPELVCSM LHLCSGTRLP ALTVHVTQPK
<b>Source</b>	HEK 293.
<b>Physical Appearance and Stability</b>	Filtered White lyophilized (freeze-dried) powder. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
<b>Formulation and Purity</b>	Filtered (0.4µm) and lyophilized from 0.5mg/ml in 0.05M phosphate buffer and 0.075M NaCl, pH 7.4. Greater than 95.0% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	It is recommended to add 200µl deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. PSAP is not sterile! Please filter the product by an appropriate sterile filter before using i
<b>Biological Activity</b>	
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**