

## PRODUCT DATA SHEET

### SAP Protein Human HEK293

**Cat. No.:** RD172338100

**Size:** 0.1 mg

**Source:** HEK293

**Type:** Recombinant protein

**Species:** Human

#### Other Names:

Proactivator polypeptide, Prosaposin, PSAP

#### Description:

Total 518 AA, UniProt P07602 (Gly17-Asn524). MW: 57.7 kDa (calculated), migrates at ~ 65 kDa, alt. at ~ 25 kDa (disaposins) or ~ 35 kDa (trisaposins) on SDS PAGE; N-terminal linker (2 extra AA), C-terminal linker (2 extra AA) and C-terminal His-tag (6 extra AA). Protein identity confirmed by MS.

#### Amino Acid Sequence:

ASGPVLGLKE CTGSAVWCQ NVKTASDCGA VKHCLQTVWN KPTVKSLPCD ICKDVVTAAG  
DMLKDNATEE EILVYLEKTC DWLPKPNMSA SCKEIVDSYL PVILDIKGE MSRPGEVCSA  
LNLCESLQKH LAELNHQKQL ESNKIPELDM TEVVAPFMAN IPLLLYPQDG PRSKPQPKDN  
GDVCQDCIQM VTDIQTAVRT NSTFVQALVE HVKEECDRLG PGMADICKNY ISQYSEIAIQ  
MMMHMQPKEI CALVGF CDEV KEMPMQTLVP AKVASKNVIP ALELVEPIKK HEVPAKSDVY  
CEVCEFLVKE VTKLIDNNKT EKEILDADF DK MCSKLPKSL S EECQEVVD TY GSSILSILLE  
EVSPPELVCSM LHLCSGTRLP ALTVHVTQPK DGGFCEVCKK LVGYLDRNLE KNSTKQEILA  
ALEKGC SFLP DPYQKQCDQF VAEYEPV LIE ILVEVMDPSF VCLKIGACPS AHKPLLGTEK  
CIWG P SYWCQ NTETAAQCNA VEHCKRHVWN KLHHHHHHH

#### Purity:

> 90 % by SDS-PAGE

#### Endotoxin:

< 1.0 EU/μg

#### Formulation:

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml solution in phosphate buffered saline, pH 7.4

#### Reconstitution:

Add deionized water to prepare a working stock solution of 0.5 mg/mL and let the lyophilized pellet dissolve completely.

#### Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

**Storage/Stability:**

Store lyophilized protein at -80°C. Lyophilized protein remains stable until the expiry date when stored at -80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

**Quality Control:**

BCA to determine quantity of the protein.  
SDS PAGE to determine purity of the protein.  
Endotoxin level determination.

**Applications:**

ELISA, Western blotting

**Note:**

This product is intended for research use only.