RPC756Hu01 50μg

Recombinant Prosaposin (PSAP)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Prokaryotic expression

Host: *E.coli*

Residues: Gly17~Asn524

Tags: N-terminal His Tag

Subcellular Location: Lysosome

Purity: > 97%

Traits: Freeze-dried powder

Buffer formulation: PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.

Original Concentration: 300µg/mL

Applications: Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

Predicted isoelectric point: 5.1

Predicted Molecular Mass: 60.2kDa

Accurate Molecular Mass: 60kDa as determined by SDS-PAGE reducing conditions.

[USAGE]

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8ºC for one month.

Aliquot and store at -80ºC for 12 months.

Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCE]

```
           GPVL  GLKECTRGSA  VWCQNVKTAS  DCGAVKHCLQ
TVWNKPTVKS  LPCDICKDVV  TAAGDMLKDN  ATEEEILVYL  EKTCDWLPKP
NMSASCKEIV  DSYLPVILDI  IKGEMSRPGE  VCSALNLCES  LQKHLAELNH
QKQLESNKIP  ELDMTEVVAP  FMANIPLLLY  PQDGPRSKPQ  PKDNGDVCQD
CIQMVTDIQT  AVRTNSTFVQ  ALVEHVKEEC  DRLGPGMADI  CKNYISQYSE
IAIQMMMHMQ  PKEICALVGF  CDEVKEMPMQ  TLVPAKVASK  NVIPALELVE
PIKKHEVPAK  SDVYCEVCEF  LVKEVTKLID  NNKTEKEILD  AFDKMCSKLP
KSLSEECQEV  VDTYGSSILS  ILLEEVSPEL  VCSMLHLCSG  TRLPALTVHV
TQPKDGGFCE  VCKKLVGYLD  RNLEKNSTKQ  EILAALEKGC  SFLPDPYQKQ
CDQFVAEYEP  VLIEILVEVM  DPSFVCLKIG  ACPSAHKPLL  GTEKCIWGPS
YWCQNTETAA  QCNAVEHCKR  HVWN
```
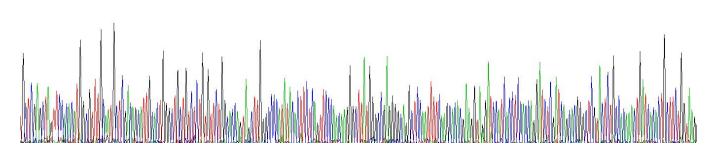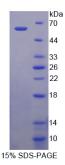
[IDENTIFICATION]

Figure . Gene Sequencing (extract)

15% SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.