

Recombinant Alkaline Phosphatase, Placental (ALPP) Instruction Manual

SIPB708Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1 μ g (determined by the LAL method)
Subcellular Location	Membrane
Predicted Molecular Mass	56.4kDa
Accurate Molecular Mass	56kDa(Analysis of differences refer to the manual)
Residues & Tags	Ile23~Asp506 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 95%
Isoelectric Point	5.7
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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                IIPVEEEN PDFWNREAAE ALGAAKKLQP
AQTAAKNLII  FLGDGMGVST VTAARILKGQ KKDKLGPEIP LAMDRFPYVA
LSKTYNVDKH  VPDSGATATA YLCGVKGNFQ TIGLSAAARF NQCNTTRGNE
VISVMNRACK  AGKSVGVTTRV TRVQHASPAG TYAHTVNRNW YSDADVPASA
RQEGCQDIAT  QLISNMDIDV  ILGGGRKYM  RMGTPDPEYP DDYSQGGTRL
DGKNLVQEWL  AKRQGARYVW  NRTELMQASL DPSVTHLMGL FEPGDMKYEI
HRDSTLDPSL  MEMTEAALRL  LSRNPRGFFL FVEGGRIDHG HHESRAYRAL
TETIMFDDAI  ERAGQLTSEE  DTLSLVTADH SHVFSFGGYP LRGSSIFGLA
PGKARDRKAY  TVLLYGNGPG  YVLKDGARPD VTESESGSPE YRQSAVPLD
EETHAGEDVA  VFARGPQAHL  VHGVQEQTFI AHVMAFAACL EPYTACDLAP
PAGTTD
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USAGE

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

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

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.

Image

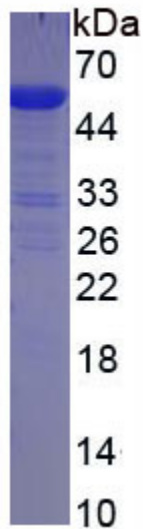


Figure. SDS-PAGE

[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.