

Product information

ACPP, 33-386aa

Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3390

Full name: Prostatic acid phosphatase isoform PAP

NCBI Accession No.: NP_001090

Synonyms: ACPP, 5'-NT, ACP-3, ACP3

Description: ACPP, also known as prostatic acid phosphatase isoform PAP, is a type I integral membrane protein of the plasma membrane and lysosomes, and a secreted form also exists. The concentration of ACPP is elevated in the circulation of prostate cancer patients, making the enzyme a marker for the progression of prostate cancer. Recombinant human ACPP, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 41.8kDa (360aa)
40-57KDa (SDS-PAGE under reducing conditions.)

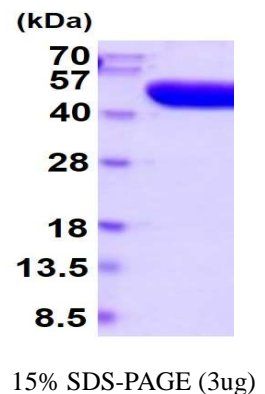
Predicted N terminal: Lys33

Purity: > 95% by SDS – PAGE.

Concentration: 0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)

Biological activity: Specific activity is > 100,000 units/mg, and is defined as the amount of enzyme that hydrolyze 1.0 nmoles of p-nitrophenyl phosphate (pNPP) per minute at pH 5.0 at 37C.



Sequences of amino acids:

KELKFVTLVF RHGDRSPIDT FPTDPIKESS WPQGFQQLTQ LGMEQHYELG EYIRKRYRKF LNESYKHEQV YIRSTDVEDRT LMSAMTNLAA
LFPPEGVSIW NPILLWQPI P VHTVPLSEDD LLYLPFRNCP RFQELESETL KSEEFQKRLH PYKDFIATLG KLSGLHGQDL FGIWSKVYDP
LYCESVHNFT LPSWATEDTM TKLRELSLS LLSLYGIHKQ KEKSRLQGGV LVNEILNHMK RATQIPSYKK LIMYSAHDTT VSGLQMALDV
YNGLLPPYAS CHLTELYFEK GEYFVEMYR NETQHEPYPL MLPGCSPSCP LERFAELVGP VIPQDWSTEC MTTNSHQGTE DSTDHHHHHH

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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Product information

General references:

Chuang TD., *et al.* (2010) *J Biol Chem.* 285:23598-23606.

Taira A., *et al.* (2007) *Oncology.* 21:1003-1010.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

Avoid repeated freezing and thawing cycles.

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