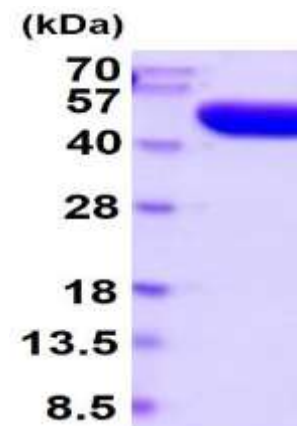


Prostatic acid phosphatase, human recombinant

CATALOG NO:	P1066-10 10 µg P1066-50 50 µg
ALTERNATE NAMES:	PAP, 5'-nucleotidase, ACP, 5'-NT, ACP-3, ACP3
CONCENTRATION:	0.5 mg/ml (determined by Absorbance at 280nm)
SOURCE:	Baculovirus (Insect cell) expressed recombinant ACP protein, fused to His-tag at C-terminus (33-386aa).
PURITY:	> 95% by SDS-PAGE
MOL. WEIGHT:	This protein is fused with 6x His tag at C terminus and the protein has a calculated MW of 41.8 kDa (360aa). The protein migrates as 40-57 kDa in SDS-PAGE under reducing conditions.
ENDOTOXIN LEVEL:	< 1.0 EU per 1µg of protein (determined by LAL method)
FORM:	Liquid
FORMULATION:	In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol
STORAGE CONDITIONS:	Store at +4°C for short term (1-2 weeks). For long term storage, aliquot and store at -70°C. Avoid repeated freeze/thaw cycles.
SEQUENCE:	KELKFVTLVF RHGDRSPIDT FPTDPIKESS WPQGFQQLTQ LGMEQHYELG EYIRKRYRKF LNESYKHEQV YIRSTDVRT LMSAMTNLAA LFPPEGVSIW NPILLWQPIP VHTVPLSEDQ LLYLPFRNCP RFQELESETL KSEEFQKRLH PYKDFIATLG KLSGLHGQDL FGIWSKVYDP LYCESVHNFT LPSWATEDTM TKLRELSLS LLSLYGIHKQ KEKSRLQGGV LVNEILNHMK RATQIPSYKK LIMYSAHDTT VSGLQMALDV YNGLLPYAS CHLTELYFEK GEYFVEMYR NETQHEPYPL MLPGCSPSCP LERFAELVGP VIPQDWSTEC MTTNSHQGTE DSTDHHHHHH
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.
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



Human recombinant Prostatic acid phosphatase

RELATED PRODUCT:

- Human CellExp™ ErbB2 / HER2 / CD340, human recombinant (Cat. No. 7397-10, -50)
- CST6, human recombinant (Cat. No. 9234-10, -50)
- Human CellExp™ Cystatin C, Human Recombinant (Cat. No. 4878-1-0, -50)
- CSTA, human recombinant (Cat. No. 9326-20, -50)

FOR RESEARCH USE ONLY! Not to be used on humans.