

Recombinant Full Length Human ACPT Protein, GST-tagged

Cat. No. ACPT-809HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ACPT full-length ORF (AAI46507.1, 1 a.a. - 426 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	426 amino acids
Description	Acid phosphatases are enzymes capable of hydrolyzing orthophosphoric acid esters in an acid medium. This gene is up-regulated by androgens and is down-regulated by estrogens in the prostate cancer cell line. This gene exhibits a lower level of expression in testicular cancer tissues than in normal tissues. The protein encoded by this gene has structural similarity to prostatic and lysosomal acid phosphatases. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]
Molecular Mass	73.81 kDa
AA Sequence	MAGLGFWGHP AGPLLLLLLL VLPPRALPEG PLVFVALVFR HGDRAPLASY PMDPHKEVAS TLWPRGLGQL TTEGVRQQLE LGRFLRSRYE AFLSPEYRRE EYVIRSTDFD RTLESAQANL AGLFPEAAPG SPEARWRPIP VHTVPVAEDK LLRFPMRSCP RYHELLREAT EAAEYQEAL GWTGFLSRLE NFTGLSLVGE PLRRRAWKVLD TLMCQQAHL PLPAWASPDV LRTLAQISAL DIGAHVGPPR AAEKAQLTGG ILLNAILANF SRVQRLGLPL KMVMYSAHDS TLLALQGALG

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LYDGHTPPYA ACLGFEFRKH LGNPAKDGGN VTVSLFYRND SAHLPLPLSL
PGCPAPCPLG RFYQLTAPAR PPAHGVSCHG PYEAAIPPAP VVPLLAGAVA
VLVALSLGLG LLAWRPGCLR ALGGPV

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ACPT acid phosphatase, testicular [Homo sapiens]

Official Symbol

ACPT

Synonyms

ACPT; acid phosphatase, testicular; testicular acid phosphatase

Gene ID

93650

mRNA Refseq

NM_033068

Protein Refseq

NP_149059

MIM

606362

UniProt ID

Q9BZG2

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