
Product Data Sheet

Product Name: ACPH Human
 Cat. No.: GP21346
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	PAP; ACP3; ACP-3; Acid phosphatase; prostate; 5'-nucleotidase;5'-NT; Ecto-5'-nucleotidase; Thiamine monophosphatase; TMPase.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSHMKELKFVTLV FRHGDRSPID TFPTDPIKES SWPQGFQGLT QLGMEQHYEL GEYIRKRYRK FLNESYKHEQ VYIRSTDVDR TLMSAMTNLA ALVPEGVSI WNPILLWQPI PVHTVPLSED QLLYLPFRNC PRFQELESET LKSEEFQKRLHPYKDFIATL GKLSGLHGQD LFGIWSKVYD PLYCESVHNF TLPSRATEDT MTKLRELSEL SLLSLYGIHKQKEKSRLQGG VLVNEILNHM KRATQIPSYK KLIMYSAHDT TVSGLQMALD VYNGLLPPYA SCHLTELYFEKGEYFVEMYY RNETQHEPYP LMLPGCSPSC PLERFAELVG PVIPQDWSTE CMTTNSHQGT EDSTD.		
Formulation	ACPH protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0) and 10% glycerol.		

Introduction

Acid phosphatase, prostate (ACPH) is a non-specific tyrosine phosphatase, which dephosphorylates a varied number of substrates under acidic conditions (pH 4-6) including alkyl, aryl, and acyl orthophosphate monoesters and phosphorylated proteins. ACPH has lipid phosphatase activity and inactivates lysophosphatidic acid in seminal plasma.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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ACPP Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 375 amino acids (33-386 a.a) and having a molecular mass of 43.2kDa.ACPP is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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