
Product Data Sheet

Product Name: ACPH Human, Sf9

Cat. No.: GP21347

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Acid Phosphatase; Prostate; Thiamine Monophosphatase; Ecto-5-Nucleotidase; 5-Nucleotidase; EC 3.1.3.2; TMPase; 5-NT; Prostatic Acid Phosphatase; Prostatic Acid Phosphatase; EC 3.1.3.5; ACP-3 ; ACP3; PAP.		
Amino Acid Sequence	KELKFVTLVF RHGDRSPIDT FPTDPIKESS WPQGFGQLTQ LGMEQHYELGEYIRKRYRKF LNESYKHEQV YIRSTDVDRT LMSAMTNLAA LFPPEGVSIW NPILLWQPIP VHTVPLSEDQLLYLPFRNCP RFQELESETL KSEEFQKRLH PYKDFIATLG KLSGLHGQDL FGIWSKVYDP LYCESVHNFTLPSWATEDTM TKLRELSLS LLSLYGIHKQ KEKSRLQGGV LVNEILNHMK RATQIPSYKK LIMYSAHDTTVSGLQMALDV YNGLLPPYAS CHLTELYFEK GEYFVEMYR NETQHEPYPL MLPGCSPSCP LERFAELVGPVIPQDWSTEC MTTNSHQGTE DSTDHHHHHH.		
Formulation	ACPH protein solution (0.5mg/ml) contains PhosphateBuffered Saline (pH 7.4) 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%

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

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ACPP produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 360 amino acids (33-386 a.a.) and having a molecular mass of 41.8kDa (Migrates at 40-57kDa on SDS-PAGE under reducing conditions).

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