

ACPS Protein, Streptococcus pyogenes serotype M28 (His)

Cat. No.:	HY-P72060A
Synonyms:	acpS; M28_Spy1523Holo-[acyl-carrier-protein] synthase; Holo-ACP synthase; EC 2.7.8.7; 4'-phosphopantetheinyl transferase AcpS
Species:	Others
Source:	E. coli
Accession:	Q48RM7 (M1-K118)
Gene ID:	/
Molecular Weight:	Approximately 15 kDa

PROPERTIES

AA Sequence	<p>M I V G H G I D L Q E I S A I E K V Y Q R N P R F A Q K I L T E Q E L A I F E S</p> <p>F P Y K R R L S Y L A G R W A G K E A F A K A I G T G I G R L T F Q D I E I L N</p> <p>D V R G C P I L T K S P F K G N S F I S I S H S G N Y V Q A S V I L E D K K</p>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, 700 mM arginine, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	ACPS, an essential enzyme in various cellular processes, operates by transferring the 4'-phosphopantetheine moiety from coenzyme A to a serine residue of acyl-carrier-protein.
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Caution: Product has not been fully validated for medical applications. For research use only.

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