

## 32-8305: Recombinant E. coli 4'-Phosphopantetheinyl Transferase ACPS(Discontinued)

**Gene :** acpS  
**Gene ID :** 947037  
**Uniprot ID :** P24224

### Description

Source: E. coli.  
MW :14.1kD.

Recombinant E.coli 4'-phosphopantetheinyl transferase AcpS is produced by our E.coli expression system and the target gene encoding Ala2-Ser126 is expressed. Holo-[acyl-carrier-protein] synthase is an enzyme that belongs to the P-Pant transferase superfamily.AcpS family.It transfers the 4'-phosphopantetheine moiety from coenzyme A to the 'Ser-36' of acyl-carrier-protein.It catalyzes the chemical reaction: CoA-[4'-phosphopantetheine] + apo-acyl carrier protein adenosine 3',5'-bisphosphate + holo-acyl carrier protein. This enzyme participates in pantothenate and coa biosynthesis.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** AILGLGTDIVEIARIEAVIARSGDRLARRVLS DNEWAIWKTHHQPVRFLAKRFAVKEAAAKAFGTGIRNGLAFNQ FEVFNDELGKPRRLWGEALKLAEKLGVANMHVTLADERHYACATVIIES

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.