

## 32-2708: PPCS Recombinant Protein

**Alternative Name :** Phosphopantothenate--cysteine ligase, Phosphopantothenoylcysteine synthetase, PPC synthetase, PPCS, COAB, RP11-163G10.1.

### Description

Source : Escherichia Coli. PPCS produced in E.Coli is a single, non-glycosylated polypeptide chain containing 331 amino acids (1-311 a.a.) and having a molecular mass of 36.1kDa. PPCS is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Phosphopantothenate-cysteine ligase (PPCS) catalyzes the first step in the biosynthesis of coenzyme A (CoA) from pantothenic acid (vitamin B5), which is a vital universal pathway in prokaryotes and eukaryotes. PPCS, being one of the last enzymes in this pathway, converts phosphopantothenate to phosphopantothenoylcysteine.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** PPCS protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 10% glycerol.  
**Storage condition :** PPCS Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MAEMDPVAEF PQPPGAARWA EVMARFAARL GAQGRRVVLV  
TSGGTKVPLE ARPVRFLDNF SSGRRGATSA EAFLAAGYGV LFLYRARSFAF PYAHRFPPT  
WLSALRPSGP ALSGLLSLEA EENALPGFAE ALRSYQEAAA AGTFLAVEFT TLADYLHLLQ  
AAAQALNPLG PSAMFYLA AAA VSDFYVPVSE MPEHKIQSSG GPLQITMKMV PKLLSPLVKD  
WAPKAFIISF KLETDP AIVI NRARKALEIY QHQVVVANIL ESRQSFV FIV TKDSETKLLL  
SEEEIEKGVE IEEKIVDNLQ SRHTAFIGDR N.

