

## 32-2639: P4HB Recombinant Protein

**Alternative Name :** P4Hbeta,PDI,PDIA1,PHD,PO4DB,PO4HB,ERBA2L.

### Description

Source : Escherichia Coli. P4HB Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 512 amino acids (18-508 a.a.) and having a molecular mass of 57.5 kDa. The P4HB is fused to a 21 amino acid His Tag and purified by conventional chromatography. P4HB is a multifunctional and highly abundant enzyme that is part of the protein disulfide isomerase family. When present as a tetramer consisting of two alpha and two beta subunits, P4HB has a role in hydroxylation of prolyl residues in procollagen. P4HB is a disulfide isomerase containing two thioredoxin domains that catalyze the formation, breakage and rearrangement of disulfide bonds.

### Product Info

**Amount :** 25 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** The P4HB 1mg/ml protein solution contains 20mM Tris-HCl pH-8, and 10% glycerol.

**Storage condition :**

P4HB although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid :**

MGSSHHHHHH SSSLVPRGSH MDAPEEEDHV LVLKSNFAE ALAAHKYLLV EFYAPWCGHC  
KALAPEYAKA AGKKAEGSE IRLAKVDATE ESDLAQQYGV RGYPTIKFFR NGDTASPKEY TAGREADDIV  
NWLKRTGPA ATLPDGAAA ESLVESSEVA VIGFFKDVES DSAKQLQAA EAIDDIPFGI TSNSDVFSKY  
QLDKDGVVLF KKFDEGRNMF EGEVTKENLL DFIKHNQLPL VIEFTEQTAP KIFGGEIKTH ILLFLPKSVS  
DYDGLSNFK TAAESFKGKI LFIFSDHT DNQRILEFFG LKKEECPAVR LITLEEEMTK YKPESEELTA  
ERITEFCHRF LEGKIKPHLM SQELPEDWDK QPVKVLVGKN FEDVAFDEKK NVFVEFYAPW CGHCKQLAPI  
WDKLGETYKD HENIVIAKMD STANEVEAVK VHSFPTLKFF PASADRTVID YNGERTLDGF KKFLES GGQD  
GAGDDDDLED LEEAEEPME EDDDQKAVKD EL.

