

P4HB recombinant protein

P4HB, 18-508aa, Human, His tag, E Coli

CATALOG # AAA48635	HOST E Coli	APPLICATIONS SDS-Page
------------------------------	-----------------------	---------------------------------

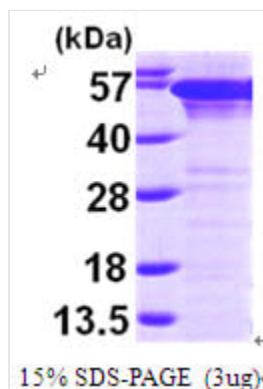
PRODUCT SYNONYMS

P4HB; 18-508aa; Human; His tag; E Coli; Prolyl 4-hydroxylase subunit beta; P4Hbeta; PDI; PDIA1; PHD; PO4DB; PO4HB; ERBA2L; P4HB recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl (pH 8.0) containing 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MDAPEEEDHV LVLRSNFAE ALAAHKYLLV EFYAPWCGHC KALAPEYAKA AGKLKAEGSE IRLAKVDATE ESDLAQQYGV RGYPTIKFFR NGDTASPKEY TAGREADDIV NWLKKRTGPA ATTLPDGAAA ESLVESSEVA VIGFFKDVES DSAKQFLQAA EAIDDIPFGI TSNSDVFSKY QLDKDGVVLF KKFDEGRNNF EGEVTKENLL DFIKHNQLPL VIEFTEQTAP KIFGGEIKTH ILLFLPKSVS DYDGKLSNFK TAAESFKGKI LFIFIDSDHT DNQRILEFFG LKKEECPAVR LITLEEEMTK YKPESEELTA ERITEFCHRF LEGKIKPHLM SQELPEDWDK QPVKVLVGKN FEDVAFDEKK NVFVEFYAPW CGHCKQLAPI WDKLGETYKD HENIVIAKMD STANEVEAVK VHSFPTLKFF PASADRTVID YNGERTLDGF KKFLESGGQD GAGDDDDLED LEEAEPPDME EDDDQKAVKD EL
Sequence Length	508
Applicable Applications for P4HB recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3 ug by SDS-PAGE under reducing conditions and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for P4HB recombinant protein	P4HB, prolyl 4 hydroxylase subunit beta, is a multifunctional and highly abundant enzyme that belongs to the protein disulfide isomerase family. When present as a tetramer consisting of two alpha and two beta subunits, this enzyme is involved in hydroxylation of prolyl residues in procollagen. This protein is also a disulfide isomerase containing two thioredoxin domains that catalyze the formation, breakage and rearrangement of disulfide bonds. Recombinant human P4HB protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for P4HB recombinant protein	Heat Shock Proteins
References	Pfander D., et al. (2006) Am J Pathol. 169 (2):491-502.; Kivirikko KI., (1991) J Hepatol. 13 Suppl 3:S2-7.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	20070125
NCBI GeneID	5034
NCBI Accession #	NP_000909
NCBI GenBank Nucleotide #	NM_000918.3
UniProt Accession #	P07237; P30037; P32079; Q15205; Q6LDE5; B2RDQ2
Molecular Weight	57.5 kDa (512aa), confirmed by MALDI-TOF
NCBI Official Full Name	protein disulfide-isomerase
NCBI Official Synonym Full Names	prolyl 4-hydroxylase subunit beta
NCBI Official Symbol	P4HB
NCBI Official Synonym Symbols	DSI; GIT; PDI; PHDB; PDIA1; PO4DB; PO4HB; PROHB; CLCRP1; ERBA2L; P4Hbeta
NCBI Protein Information	protein disulfide-isomerase
UniProt Protein Name	Protein disulfide-isomerase
UniProt Gene Name	P4HB
UniProt Synonym Gene Names	ERBA2L; PDI; PDIA1; PO4DB; PDI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.