

Prolyl 4-Hydroxylase Beta Active Protein | P4HB active protein

Recombinant Human Prolyl 4-Hydroxylase Beta, Active

CATALOG #
AAA39146

HOST
E Coli

PRODUCT SYNONYMS

Prolyl 4-Hydroxylase Beta; Recombinant Human Prolyl 4-Hydroxylase Beta; Active; P4HB Human; P4Hbeta; PDI; PDIA1; PHD; PO4DB; PO4HB; ERBA2L; Prolyl 4-Hydroxylase Beta Human Recombinant; P4HB active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90.0% as determined by SDS-PAGE.
Form/Format	Sterile filtered colorless solution. The P4HB 1mg/ml protein solution contains 20mM Tris-HCl pH-8, and 10% glycerol.
Sequence	MGSSHHH HHHSSGLVPR GSHMDA PEEEDHVLVL RKSNF AEALA AHKYLLVEFY APWCGHCKAL APEYAKAAGK LKAEGSEIRL AKVDATEESD LAQQYGVGRY PTIKFFRNGD TASPKEYTAG READDIVNWL KKRTGPAATT LPDGAAAESL VESSEVAVIG FFKDVESDSA KQFLQAAEI DDIPFGITSN SDVFSKYQLD KDGVLFFKKF DEGRNNFEGE VTKENLLDFI KHNQLPLVIE FTEQTAPKIF GGEIKTHILL FLPKSVSDYD GKLSNFKTAA ESFKGKILFI FIDSDHTDNQ RILEFFGLKK EECPAVRLIT LEEEMTKYKP ESEELTAERI TEFCHRFLEG KIKPHLMSQE LPEDWDKQPV KVLVGKNFED VAFDEKKNVF VEFYAPWCGH CKQLAPIWDK LGETYKDHEN IVIAKMDSTA NEVEAVKVHS FPTLKFFPAS ADRTVIDYNG ERTLDGFKKF LESGGQDGAG DDDDLELEE AEEDMEEDD DQKAVKDEL
Sequence Length	508
Biological Activity	Specific activity > 100 A650/cm/min/mg. Enzymatic activity was confirmed by measuring the aggregation of insulin in the presence of DTT.
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for P4HB active protein	Description: 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 57.5kDa. The P4HB is fused to a 21 amino acid His Tag and purified by conventional chromatography.
Product Categories/Family for P4HB active protein	Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	20070125
NCBI GeneID	5034
NCBI Accession #	NP_000909.2
NCBI GenBank Nucleotide #	NM_000918.3
UniProt Accession #	P07237 ; P30037 ; P32079 ; Q15205 ; Q6LDE5 ; B2RDQ2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/e-coli-p4hb-active-protein/prolyl-4-hydroxylase-beta/39146>