

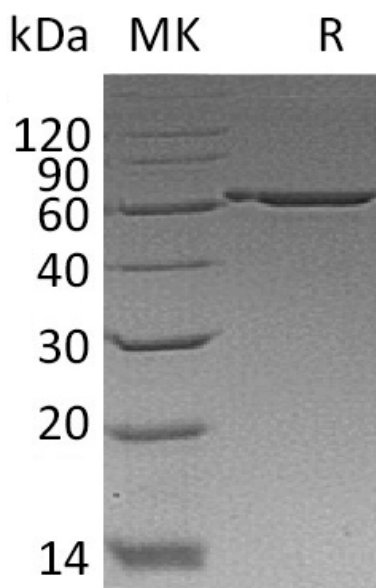
Product Name: Recombinant Human P4HB (C-6His)
Catalog #: PHH1384



Summary

Name	Protein Disulfide Isomerase/P4HB/ERBA2L/PDI/PDIA1/PO4DB
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Prolyl 4-Hydroxylase Subunit Beta is produced by our Mammalian expression system and the target gene encoding Asp18-Lys505 is expressed with a 6His tag at the C-terminus.
Accession #	P07237
Host	Human Cells
Species	Human
Predicted Molecular Mass	55.9 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



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Alternative Names

Protein Disulfide-Isomerase; PDI; Cellular Thyroid Hormone-Binding Protein; Prolyl 4-Hydroxylase Subunit Beta; p55; P4HB; ERBA2L; PDI; PDIA1; PO4DB

Background

Protein Disulfide-Isomerase (P4HB) is an endoplasmic reticulum lumen protein that belongs to the protein disulfide isomerase family. P4HB contains two thioredoxin domains and catalyzes the formation, breakage, and rearrangement of -S-S- bonds in proteins. P4HB is involved in hydroxylation of prolyl residues in procollagen. P4HB has the ability to act as a chaperone that inhibits aggregation of misfolded proteins in a concentration-dependent manner. P4HB plays a role in both the influx and efflux of S-nitrosothiol-bound nitric oxide.

Note

For Research Use Only , Not for Diagnostic Use.