

Recombinant Human Prolyl 4-Hydroxylase Subunit Beta Protein

Cat.NO.: TP05158

3th Edition

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

Description: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.

Form:PBS

Molecular Weight:55.9 kDa

Sequences:Asp18-Lys505

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.