

Recombinant Human P4HB Protein (His Tag)

Catalog No. PKSH033399

Description

Synonyms	DSI;ERBA2L;GIT;P4Hbeta;PDI;PDIA1;PHDB;PO4DB;PO4HB;PROHB;Protein Disulfide-Isomerase; PDI; Cellular Thyroid Hormone-Binding Protein; Prolyl 4-Hydroxylase Subunit Beta; p55
Species	Human
Expression_host	E.coli
Sequence	Asp18-Lys505
Accession	NP_000909.2
Mol_Mass	55.9 kDa
AP_Mol_Mass	68 kDa
Tag	C-6His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at<-20°C.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH 7.4.
Reconstitution	Not Applicable

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 preprocollagen. 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.

SDS-PAGE

