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Datasheet for ABIN7319349 P4HB Protein (His tag)

Overview

Quantity:	50 µg
Target:	P4HB
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This P4HB protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human P4HB Protein (His Tag)
Sequence:	Asp18-Lys505
Characteristics:	Recombinant Human Prolyl 4-Hydroxylase Subunit Beta is produced by our E.coli expression system and the target gene encoding Asp18-Lys505 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	P4HB
Alternative Name:	P4HB (P4HB Products)
Background:	Background: Protein Disulfide-Isomerase (P4HB) is an endoplasmic reticulum lumen protein that belongs to the protein disulfide isomerase family. P4HB contains two thioredoxin domains

Target Details

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.

Synonym: 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

Molecular Weight: 55.9 kDa

NCBI Accession: [NP_000909](#)

Pathways: [Maintenance of Protein Location](#), [Cell RedoxHomeostasis](#), [Lipid Metabolism](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.