

Datasheet for ABIN7504497

P4HB Protein (AA 20-509) (His tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	P4HB
Protein Characteristics:	AA 20-509
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This P4HB protein is labelled with His tag.

Product Details

Purpose:	Mouse P4HB Protein
Sequence:	Asp20-Leu509
Characteristics:	Recombinant Mouse P4HB Protein is expressed from HEK293 with His tag at the C-terminus. It contains Asp20-Leu509.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	P4HB
Alternative Name:	P4HB (P4HB Products)

Target Details

Background:	Protein disulfide isomerase (PDI, also named P4HB) is a 57- kDa oxidoreductase that facilitates cysteine thiol reactions inside and outside the cell. It mediates reduction or oxidation of protein disulfide bonds, thiol/disulfide exchange reactions, and transfer of NO from one protein thiol to another. It also has chaperone properties. PDI is actively secreted by most, if not all, of the cell types involved in thrombosis, binds to integrins on the cell surface, and circulates as a soluble protein in blood.
Molecular Weight:	56.18 kDa. Due to glycosylation, the protein migrates to 57-70 kDa based on Tris-Bis PAGE result.
UniProt:	P09103
Pathways:	Maintenance of Protein Location , Cell RedoxHomeostasis , Lipid Metabolism

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months