

Recombinant Human P4HB Protein (His Tag)

Catalog Number: PKSH033399

Note: Centrifuge before opening to ensure complete recovery of vial contents.

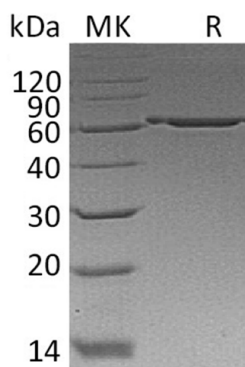
Description

| | |
|----------------------|--|
| Species | Human |
| Source | HEK293 Cells-derived Human P4HB protein Asp18-Lys505, with an C-terminal His |
| Calculated MW | 55.9 kDa |
| Observed MW | 65 kDa |
| Accession | P07237 |
| Bio-activity | Not validated for activity |

Properties

| | |
|----------------------|--|
| Purity | > 95 % as determined by reducing SDS-PAGE. |
| Concentration | Subject to label value. |
| Endotoxin | < 1.0 EU per µg of the protein 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, pH7.4. |

Data



> 95 % as determined by reducing SDS-PAGE.

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.

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