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P4HB Human

Catalog #:ENPS-259

For research use only.

Description:P4HB Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 512 amino acids (18-508 a.a.) and having a molecular mass of 57.5 kDa. The P4HB is fused to a 21 amino acid His Tag and purified by conventional chromatography.

Synonyms:P4Hbeta, PDI, PDIA1, PHD, PO4DB, PO4HB, ERBA2L.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MDAPEEEDHV LVLRKSNFAE ALAAHKYLLV EFYAPWCGHC KALAPEYAKA AGKLKAEGSE IRLAKVDATEESDLAQQYGV RGYPTIKFFR NGDTASPKEY TAGREADDIV NWLKKRTGPA ATTLPDGAAA ESLVESSEVA VIGFFKDVES DSAKQFLQAA EAIDDIPFGI TSNSDVFSKY QLDKDGVVLF KKFDEGRNNF EGEVTKENLL DFI

Purity: Greater than 90.0% as determined by SDS-PAGE.

Formulation:
The P4HB 1mg/ml protein solution contains 20mM Tris-HCl pH-8, and 10% glycerol.

Stability:
P4HB althoμgh stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage:
NeoBiolab''s products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
P4HB is a multifunctional and highly abundant enzyme that is part of the protein disulfide isomerase family. When present as a tetramer consisting of two alpha and two beta subunits, P4HB has a role in hydroxylation of prolyl residues in preprocollagen. P4HB is a disulfide isomerase containing two thioredoxin domains that catalyze the formation, breakage and rearrangement of disulfide bonds.

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