

Human P4HB Recombinant Protein



RPPB2064

Product Information Protein Information

Product SKU:

RPPB2064

Accession:

P07237

Host:

Escherichia Coli.

Protein 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 57.5kDa. The P4HB is fused to a 21 amino acid His Tag and purified by conventional chromatography.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

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

Formulation:

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

Purity:

Greater than 90.0% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SGLVPRGSH MDAPEEEDHV LVLKSNFAE ALAAHKYLLV EYAPWCGHC KALAPEYAKA
AGKKAEGSE IRLAKVDATE ESDLAQQYGV RGYPTIKFFR NGDTASPKEY TAGREADDIV NWLKKRTGPA
ATLPGDAAA ESLVESSEVA VIGFFKDVES DSAKQFLQAA EAIDDIPFGI TSNSDVFSKY QLDKDGVVLF
KKFDEGRNNF EGEVTKENLL DFIKHNQLPL VIEFTEQTAP KIFGGEIKTH ILLFLPKSVS DYDGKLSNFK
TAAESFKGKI LFIFIDSDHT DNQRILEFFG LKKEECPAVR LITLLEEMTK YKPESEELTA ERITEFCHRF LEGKIKPHLM
SQELPEDWDK QPVKVLVGKN FEDVAFDEKK NVFVEFYAPW CGHCKQLAPI WDKLGETYKD HENIVIAKMD
STANEVEAVK VHSFPTLKFF PASADRTVID YNGERTLDGF KKFLES GGQD GAGDDDDLED LEEAEPDME
EDDDQKAVKD EL.

Biological Activity:

Specific activity > 100 A650/cm/min/mg. Enzymatic activity was confirmed by measuring the aggregation of insulin in the presence of DTT.