

Prolyl 4-Hydroxylase Beta Human Recombinant, Active

Item Number	rAP-1205
Synonyms	P4Hbeta, PDI, PDIA1, PHD, PO4DB, PO4HB, ERBA2L.
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.
Uniprot Accesion Number	P07237
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MDAPEEEDHV LVLKSNFAE ALAAHKYLLV EFYAPWCGHC KAL-APEYAKA AGKLKAEGSE IRLAKVDATE ESDLAQQYGV RGYPTIKFFR NGDTASPKEY TAGREADDIV NWLKKRTGPA ATTLPDGAAA ESLVESSEVA VIGFFKDVES DSAKQFLQAA EAIDDIPFGI TSNSDVFASKY QLDKDGVVLF KKFDEGRNNF EGEVTKENLL DFIKHNQLPL VIEFTEQTAP KIFGGEIKTH ILLFLPKSVS DYDGKLSNFK TAAESFKGKI LFIFIDSDHT DNQRILEFFG LKKEECPAVR LITLEEEMTK YKPESEELTA ERITEFCHRF LEGKIKPHLM SQELPEDWDK QPVKVLVGKN FEDVAFDEKK NVFVEFYAPW CGH-CKQLAPI WDKLGETYKD HENIVIAKMD STANEVEAVK VHSFPTLKFF PASADRTVID YNGERTLDGF KKFLESGGQD GAGDDDDLED LEEAEEDME EDDQKAVKD EL.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The P4HB 1mg/ml protein solution contains 20mM Tris-HCl pH-8, and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity > 100 A650/cm/min/mg. Enzymatic activity was confirmed by measuring the aggregation of insulin in the presence of DTT.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**