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P4HB, 18-508aa, Human, His tag, E.coli

产品货号: TP03276

第三版

别名: Prolyl 4-hydroxylase subunit beta, P4Hbeta, PDI, PDIA1, PHD, PO4DB, PO4HB; ERBA2L.

描述: P4HB, prolyl 4 hydroxylase subunit beta, is a multifunctional and highly abundant enzyme that belongs to the protein disulfide isomerase family. When present as a tetramer consisting of two alpha and two beta subunits, this enzyme is involved in hydroxylation of prolyl residues in procollagen. This protein is also a disulfide isomerase containing two thioredoxin domains that catalyze the formation, breakage and rearrangement of disulfide bonds.

配方: Liquid. In 20 mM Tris-HCl (pH 8.0) containing 10% Glycerol

分子量: 57.5 kDa(512aa), confirmed by MALDI-TOF

序列:

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MGSSHHHHHHSSGLVPRGSHMDAPEEEDHVLVLRKSNFAEALAAHKYLLVEFYAPWCGHCKALAPEYAKAAGKLKAEG  
SEIRLAKVDATEESDLAQQYGVRGYPTIKFFRNGDTASPKEYTAGREADDIVNWLKKRTGPAATTLPDGAAAESLVESSEV  
AVIGFFKDVESDSAQFLQAAEAIDDIPFGITSNSDVFSKYQLDKDGVVLFKFKFDEGRNMFEGEVTKENLLDFIKHNQLPLV  
IEFTEQTAPKIFGGEIKTHILLFLPKSVSDYDGLSNFKTAAESFKGKILFIFIDSDHTDNQRILEFFGLKKEECPAVRLITLLEE  
MTKYKPESEELTAERITEFCHRFLEGKIKPHLMSQELPEDWDKQPVKVLVGNFEDVAFDEKKNVFEFYAPWCGHCKQ  
LAPIWDKLGETYKDHENIVIAKMDSTANEVEAVKVHSFPTLKFFPASADRTVIDYNGERTLDGFKKFLESGGQDGAGDDD  
DLEDLEEAEPPMEEDDDQKAVKDEL
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纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.