

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

PEPD, 1-493aa, Human, His tag, E.coli

产品货号: TP03351

第三版

别名: Xaa-Pro dipeptidase isoform 1, PROLIDASE

描述: PEPD also known as Xaa-Pro dipeptidase isoform1. The protein forms a homodimer that hydrolyzes dipeptides or tripeptides with C-terminal proline or hydroxyproline residues. The enzyme serves an important role in the recycling of proline, and may be rate limiting for the production of collagen. Mutations in this gene result in prolidase deficiency, which is characterized by the excretion of large amount of di- and tri-peptides containing proline. Recombinant human PEPD, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方: Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT

分子量: 56.9kDa (516aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSMMAAATGPSFWLGNELKVPLALFALNRQLCERLRKNPAVQAGSIVVLQGG EETQ  
RYCTDTGVLFRQESFFHWAFGVTEPGCYGVIDVDTGKSTLFPRLPASHATWMGKIHSKEHFKEYAVDDVQYVDEIAS  
VLTSQKPSVLLTLRGVNTDSGSVCREASFDGISKFEVNTILHPEIVECRVFKTDM ELEVLR YTNKISSEAHREVMKAVKVG  
MKEYELESLEFHYCYSRGGMRHSSYTCICGSGENSAVLHYGHAGAPNDRTIQNGDMCLFDMGGEYYCFASDITCSFPAN  
GKFTADQKAVYEAVLRSSRAVMGAMKPGVWWPDMHRLADRIHLEELAHMGILSGSVDAMVQAHLGAVFMPHGLGHF  
LGIDVHDVGGYPEGVERIDEPLRSLRTARHLQPGMVLTVEPGIYFIDHLLDEALADPARASFLNREVLQRFRGFGGVRIEE  
DVVVTDSGIELLTCVPRTVEEIEACMAGCDKAFTPFSGPK

纯度: > 95% by HPLC

浓度: 0.5mg/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.