

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。

HPD, 1-393aa, Human, His tag, E.coli

产品货号: TP02491

第三版

别名:4-hydroxyphenylpyruvate dioxygenase isoform 1, 4-HPPD, 4HPPD, GLOD3, HPPDASE, PPD

描述:4-hydroxyphenylpyruvate dioxygenase isoform 1, also known as HPD, is an Fe-containing enzyme, that catalyzes the second reaction in the catabolism of tyrosine the conversion of 4-hydroxyphenylpyruvate to homogentisate. Existing as a homodimer, HPD uses zinc as a cofactor to catalyze the third step in the conversion of L-phenylalanine to fumarate and acetoacetic acid.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT,20% glycerol, 50mM NaCl

分子量:47 kDa (413aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHHSSGLVPRGSHMTTYSKDGAKPERGRFLHFHSVTFWVGNKQAASFYCSKMGFEPLAYRGLTGSREVV  
SHVIKQGKIVFVLSSALNPWNKEMGDHLVKHGDGVKDIAFEVEDCDYIVQKARERGAKIMREPWVEQDKFGKVKFAVL  
QTYGDTTHTLVEKMNYIGQFLPGYEAPAFMDPLLKPKCSLEMIDHIVGNQPDQEMVSASEWYLKLNLFHRSVDDT  
QVHTEYSSLRISIVVANYEESIKMPINEPAPGKKKSQIQEYVDYNGGAGVQHIALKTEDIITAIRHLRERGLFSLVSTYYKQL  
REKLKTAKIKVKENIDALEELKILVDYDEKGYLLQIFTKPVQDRPTLFLEVIQRHNNHQGFGAGNFNSLFAFEQQNLRGNL  
TNMETNGVPPGM

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.