本公司提供的电子版本说明书仅供参考，实验请以收到的纸质手册为准。

QDPR, 1-244aa, Human, His tag, E.coli

产品货号: TP03613

第三版

别名: Quinoid dihydropteridine reductase, DHPR, FLJ42391, PKU2, SDR33C1.

描述:QDPR is a member of the short-chain dehydrogenases/reductase(SDR) family of enzymes. Functioning as a homodimer, QDPR plays an important role in the recycling of tetrahydrobiopterin (BH4), an essential cofactor for the hydroxylation of the aromatic amino acids (tryptophan, tyrosine and phenylalanine). More specifically, QDPR catalyzes the regeneration of BH4 from quinonoid dihydrobiopterin (qBH2), the product generated from the hydroxylation reactions.

配方: Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT.

分子量:28.2 kDa (267aa), confirmed by MALDI-TOF

序列:
MGSSHHHHHHSSGLVPRGSHMGSMAAAAAAGEARRVLVYGGRGALGSRCVQAFRARNWWVASVDVVENEEASASIIV
KMTDSFTEQADQVTAEVGKLLGEEKVDAILCVAGGWAGGNAKSKSLFKNCDLMWKQSIWTSTISSHLATKHLKEGGLLT
LAGAKAALDGTPGMIGYGMAKGAVHQLCQSLAGKNSGMPPGAAAIAVLPVTLDTPMNRKSMPEADFSSWTPLEFLVETF
HDWITGKNRPSSGSLIQVVTTEGRTELTPAYF

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.