

QDPR 抗原（重组蛋白）

中文名称：QDPR 抗原（重组蛋白）

英文名称： QDPR Antigen (Recombinant Protein)

别名： quinoid dihydropteridine reductase; DHPR; PKU2; HDHPR; SDR33C1

储存： 冷冻（-20℃）

相关类别： 抗原

概述：

Fusion protein corresponding to a region derived from 2-244 amino acids of human QDPR

技术规格：

Full name:	quinoid dihydropteridine reductase
Synonyms:	DHPR; PKU2; HDHPR; SDR33C1
Swissprot:	P09417
Gene Accession:	BC000576
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene encodes the enzyme dihydropteridine reductase, which catalyzes the NADH-mediated reduction of quinoid dihydrobiopterin. This enzyme is an essential component of the pterin-dependent aromatic amino acid hydroxylating systems. Mutations in this gene resulting in QDPR deficiency include aberrant splicing, amino acid substitutions, insertions, or premature terminations. Dihydropteridine reductase deficiency presents as atypical phenylketonuria due to insufficient production of biopterin, a cofactor for phenylalanine hydroxylase.

