

Recombinant Full Length Human QDPR Protein, His-tagged

Cat. No. QDPR-679H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human QDPR fused with His tag at C-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The product of this enzyme, tetrahydrobiopterin (BH-4), is an essential cofactor for phenylalanine, tyrosine, and tryptophan hydroxylases.
Form	Lyophilized from a 0.2 M filtered solution of 20mM Tris-HCl, pH8.0
Molecular Mass	26.8kD
AA Sequence	MAAAAAAGEARRVLVYGGRGALGSRCVQAFRARNWWWASVDVVENEEASASIIVK MTDSFTEQADQVTAEVGKLLGEEKVDAILCVAGGWAGGNAKSKSLFKNCDLMWKQ SIWTSTISSHLATKHLKEGGLLTLAGAKAALDGTGPMIGYGMAGAVHQLCQSLAGK NSGMPPGAAAIAVLPVTLDTPMNRKSMPEADFSSWTPLEFLVETFHDWITGKNRPS SGSLIQVVTTEGRTELTPAYFVDHHHHHH
Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Concentration	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not

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recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	QDPR quinoid dihydropteridine reductase [Homo sapiens]
Official Symbol	QDPR
Synonyms	QDPR; quinoid dihydropteridine reductase; dihydropteridine reductase; 6; 7 dihydropteridine reductase; DHPR; PKU2; SDR33C1; short chain dehydrogenase/reductase family 33C; member 1; HDHPR; 6,7-dihydropteridine reductase; short chain dehydrogenase/reductase family 33C, member 1; FLJ42391;
Gene ID	5860
mRNA Refseq	NM_000320
Protein Refseq	NP_000311
MIM	612676
UniProt ID	P09417

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