

Datasheet for ABIN7317282 **CYB5R1 Protein (His tag)**



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Overview

Quantity:	100 µg
Target:	CYB5R1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CYB5R1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CYB5R1 Protein (His Tag)
Sequence:	Leu 29-Tyr 305
Characteristics:	A DNA sequence encoding the human CYB5R1 (Q9UHQ9) (Leu 29-Tyr 305) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 97 % as determined by reducing SDS-PAGE.

Target Details

Target:	CYB5R1
Alternative Name:	CYB5R1 (CYB5R1 Products)
Background:	Background: Tyrosinase-related protein 1, also known as TYRP1 or TRP1, is a melanosomal enzyme that belongs to the tyrosinase family and plays an important role in the melanin biosynthetic pathway. Mutations in this enzyme are the cause of rufous oculocutaneous albinism and oculocutaneous albinism type III. TYRP1 / TRP1 is involved in the oxidation of 5,6-

Target Details

dihydroxyindole-2-carboxylic acid (DHICA) into indole-5,6-quinone-2-carboxylic acid. This enzyme may regulate or influence the type of melanin synthesized. The expression of Tyrosinase-related protein 1 (TYRP1) is regulated by the microphthalmia-associated transcription factor (MITF). There is mounting evidence demonstrating that in addition to its role in eumelanin synthesis, TYRP1 is involved in maintaining stability of tyrosinase proliferation and melanocyte cell death.

Synonym: B5R.1,B5R1,B5R2,humb5R2,NQ03A2,PRO9865,UNQ3049

Molecular Weight: 33.5 kDa

UniProt: [Q9UHQ9](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.