

Recombinant Human CYB5R1

Catalog No: #GP12841



Package Size: #GP12841-1 100ug

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Description

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|-----------------------|--|
| Product Name | Recombinant Human CYB5R1 |
| Brief Description | Recombinant Protein |
| Immunogen Description | Fusion protein corresponding to a region derived from 29-305 amino acids of human CYB5R1 |
| Target Name | cytochrome b5 reductase 1 |
| Other Names | B5R1; B5R2; B5R.1; NQO3A2; humb5R2 |
| Accession No. | Swissprot:Q9UHQ9Gene Accession:BC018732 |
| Uniprot | Q9UHQ9 |
| GeneID | 51706; |
| Storage | -20~-80°C, pH 7.6 PBS |

Background

NADH-cytochrome b5 reductases participate in a variety of physiological processes including biosynthesis of cholesterol, methemoglobin reduction of erythrocytes, elongation of fatty acids and metabolism of drugs. CYB5R1 (cytochrome b5 reductase 1), also known as NADH-cytochrome b5 reductase 1, B5R1, NQO3A2, humb5R2 or NAD(P)H:quinone oxidoreductase type 3 polypeptide A2, is a 305 amino acid single-pass membrane protein that contains one FAD-binding FR-type domain and belongs to the flavoprotein pyridine nucleotide cytochrome reductase family. Widely expressed, CYB5R1 binds FAD as a cofactor and is encoded by a gene located on human chromosome 1. Human chromosome 1 spans 260 million base pairs, contains over 3,000 genes, comprises nearly 8% of the human genome and houses a large number of disease-associated genes, including those that are involved in familial adenomatous polyposis, Stickler syndrome, Parkinson's disease, Gaucher disease, schizophrenia and Usher syndrome.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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