

Recombinant Mouse Cyb5r2 Protein, Myc/DDK-tagged

Cat. No. Cyb5r2-2402M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cytochrome b5 reductase 2 (Cyb5r2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	NADH-cytochrome b5 reductases are involved in desaturation and elongation of fatty acids, cholesterol biosynthesis, drug metabolism, and, in erythrocyte, methemoglobin reduction. Responsible for NADH-dependent lucigenin chemiluminescence in spermatozoa by reducing both lucigenin and 2-[4-iodophenyl]-3-[4-nitrophenyl]-5-[2,4-disulfophenyl]-2H tetrazolium monosodium salt (WST-1).
Molecular Mass	31.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Cyb5r2 cytochrome b5 reductase 2 [Mus musculus (house mouse)]
Official Symbol	Cyb5r2
Synonyms	CYB5R2; cytochrome b5 reductase 2; NADH-cytochrome b5 reductase 2; cytochrome b5 reductase b5R.2; b5R.2; D630003K02Rik; MGC130177; MGC130178
Gene ID	320635
mRNA Refseq	NM_177216
Protein Refseq	NP_796190
UniProt ID	Q3KNK3

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