

Recombinant Mouse Cyb5r4 Protein, Myc/DDK-tagged

Cat. No. Cyb5r4-2403M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cytochrome b5 reductase 4 (Cyb5r4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	NADH-cytochrome b5 reductase involved in endoplasmic reticulum stress response pathway. Plays a critical role in protecting pancreatic beta-cells against oxidant stress, possibly by protecting the cell from excess buildup of reactive oxygen species (ROS).
Molecular Mass	59.7 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	Cyb5r4 cytochrome b5 reductase 4 [Mus musculus (house mouse)]
Official Symbol	Cyb5r4
Synonyms	CYB5R4; cytochrome b5 reductase 4; cb5/cb5R; flavohemoprotein b5/b5R; NADPH cytochrome B5 oxidoreductase; cytochrome b-type NAD(P)H oxidoreductase; N-terminal cytochrome b5 and cytochrome b5 oxidoreductase domain-containing protein; b5b5r; B5+B5R; C79736; Ncb5or; b5/b5r; Cb5cb5r; 2810034J18Rik
Gene ID	266690
mRNA Refseq	NM_024195
Protein Refseq	NP_077157
UniProt ID	Q3TDX8

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