

Recombinant Mouse Cybrd1 Protein, Myc/DDK-tagged

Cat. No. Cybrd1-2405M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length cytochrome b reductase 1 (Cybrd1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Ferric-chelate reductase that reduces Fe ³⁺ to Fe ²⁺ . Present at the brush border of duodenal enterocytes where it probably reduces dietary Fe ³⁺ thereby facilitating its transport into the mucosal cells. Uses ascorbate as electron donor. May be involved in extracellular ascorbate recycling in erythrocyte membranes. May also act as a ferrireductase in airway epithelial cells.
Molecular Mass	32.3 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



GENE INFORMATION

Gene Name	Cybrd1 cytochrome b reductase 1 [Mus musculus (house mouse)]
Official Symbol	Cybrd1
Synonyms	CYBRD1; cytochrome b reductase 1; duodenal cytochrome b; Dcytb; 2210407P13Rik
Gene ID	73649
mRNA Refseq	NM_028593
Protein Refseq	NP_082869
UniProt ID	Q925G2

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