

Product datasheet for **TP518956**

Cyb5r2 (NM_177216) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cytochrome b5 reductase 2 (Cyb5r2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR218956 protein sequence Red =Cloning site Green =Tags(s)

MSVKKKDLITLQDPEAKYPLPLIEKEQISHNTRRRFRGLPSPDHVLGLPVGNYVHLLAQINNELVIRAYT
PVSSDDQGFVDLIKIYFKNVHPKYPEGGKMTQYLENMKIGDTILFRGPTGRLFYNEPGTILIKANKTS
EPEKKLVHHLGMIAGGTGITPMLQLIRHITKDTSDETRMSLLFANQTEEDILLRKELEEVAATTHHKQFNL
WYTLDRPPSDWKYSSGFVSADMIKEHLPPPGEDTLILVCGPPPLIQAAAHPLEQLGYTKDMIFTY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	31.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_796190
Locus ID:	320635
UniProt ID:	Q3KNK3
RefSeq Size:	2724



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Cytogenetics: 7 E3

RefSeq ORF: 831

Synonyms: b5R.2; D630003K02Rik

Summary: 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) (By similarity).[UniProtKB/Swiss-Prot Function]