

Product datasheet for **TP309724M**

Cytochrome C (CYCS) (NM_018947) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human cytochrome c, somatic (CYCS), nuclear gene encoding mitochondrial protein, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209724 protein sequence Red =Cloning site Green =Tags(s)
	MGDVEKGGKKIFIMKCSQCHTVEKGGKHKGTGPNLHGLFGRKIGQAPGYSYTAANKNKGIIWGEDTLMEYLE NPKKYIPGTKMIFVGIKKKEERADLIAYLKKATNE
	TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	11.6 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
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_061820
Locus ID:	54205
UniProt ID:	P99999 , G4XXL9
RefSeq Size:	5544



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Cytogenetics: 7p15.3

RefSeq ORF: 315

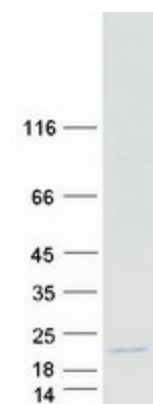
Synonyms: CYC; HCS; THC4

Summary: This gene encodes a small heme protein that functions as a central component of the electron transport chain in mitochondria. The encoded protein associates with the inner membrane of the mitochondrion where it accepts electrons from cytochrome b and transfers them to the cytochrome oxidase complex. This protein is also involved in initiation of apoptosis. Mutations in this gene are associated with autosomal dominant nonsyndromic thrombocytopenia. Numerous processed pseudogenes of this gene are found throughout the human genome. [provided by RefSeq, Jul 2010]

Protein Families: Druggable Genome

Protein Pathways: Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Colorectal cancer, Huntington's disease, p53 signaling pathway, Parkinson's disease, Pathways in cancer, Small cell lung cancer, Viral myocarditis

Product images:



Coomassie blue staining of purified CYCS protein (Cat# [TP309724]). The protein was produced from HEK293T cells transfected with CYCS cDNA clone (Cat# [RC209724]) using MegaTran 2.0 (Cat# [TT210002]).