

Product datasheet for **TP720933**

Cytochrome C (CYCS) (NM_018947) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human cytochrome c, somatic (CYCS), nuclear gene encoding mitochondrial protein
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Met1- Glu105
Tag:	C-6His
Predicted MW:	12.8 kDa
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	Endotoxin level is < 0.1 ng/µg of protein (< 1 EU/µg)
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_061820
Locus ID:	54205
UniProt ID:	P99999 , G4XXL9
RefSeq Size:	5544
Cytogenetics:	7p15.3
RefSeq ORF:	315
Synonyms:	CYC; HCS; THC4



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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