

Product datasheet for **TP314479M**

Citrate synthetase (CS) (NM_004077) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human citrate synthase (CS), nuclear gene encoding mitochondrial protein, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC214479 representing NM_004077
Red=Cloning site **Green**=Tags(s)

MALLTAAARLLGTKNASCLVLAARHASASSTNLKDILADLIPKEQARIKTRFQQHGKTWVGQITVDMMYG
GMRGMKGLVYETSVLDPDEGIRFRGFSIPECQKLLPKAKGGEEPLPEGLFWLLVTGHIPTEEQVSWLSKE
WAKRAALPSHVVTMLDNFPTNLHPMSQLSAAVTALNSEN FARAYAQQISRTKYWELIYEDSMDLIAKLP
CVAAKIYRNLYREGSGIGAIDSNDWSHNFTNMLGYTDHQFTELRLYLTIHSDHEGGNVAHTSHLVGS
ALSDPYLSFAAAMNGLAGPLHGLANQEVLWLTQLQKEVGKDVSDKLRDYIWNTLN SGRVWPGYGHAVL
RKTDPRYTCQREFALKHLPNDPMFKLVAQLYKIVPNVLEQQKAKNPWPNVDAHSGVLLQYYGMTEMNYY
TVLFGVSRALGVLAQLIWSRALGFPLERP KSMSTEGLMKFVDSKSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 49 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.



[View online >](#)

RefSeq: [NP_004068](#)

Locus ID: 1431

UniProt ID: [O75390](#), [A0A024RB75](#)

RefSeq Size: 2997

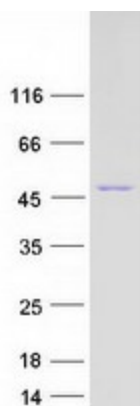
Cytogenetics: 12q13.3

RefSeq ORF: 1398

Summary: The protein encoded by this gene is a Krebs tricarboxylic acid cycle enzyme that catalyzes the synthesis of citrate from oxaloacetate and acetyl coenzyme A. The enzyme is found in nearly all cells capable of oxidative metabolism. This protein is nuclear encoded and transported into the mitochondrial matrix, where the mature form is found. [provided by RefSeq, Jul 2008]

Protein Pathways: Citrate cycle (TCA cycle), Glyoxylate and dicarboxylate metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified CS protein (Cat# [TP314479]). The protein was produced from HEK293T cells transfected with CS cDNA clone (Cat# [RC214479]) using MegaTran 2.0 (Cat# [TT210002]).