

AR51626PU-S

Human Citrate synthase (28-466, His-tag) - Purified

Alternate names:	CS, mitochondrial Citrate synthase
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by BRADFORD assay)
Background:	Citrate synthase (CS) is a Krebs tricarboxylic acid cycle enzyme that catalyzes the synthesis of citrate from oxaloacetate and acetyl coenzyme A. It 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.
Uniprot ID:	075390
NCBI:	NP_004068
GeneID:	1431
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Description:	Recombinant human CS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SGLVPRGSH MGSASSTNLK DILADLIPKE QARIKTRFQQ HGKTVVGQIT VDMYGGMRG MKGLVYETSV LDPDEGIRFR GFSIPECQKL LPKAKGGEPP LPEGLFWLLV TGHIPTEEQV SWLSKEWAKR AALPSHVVTM LDNFPTNLHP MSQLSAAVTA LNSESNFARA YAQGISRTKY WELIYEDSMD LIAKLPCVAA KIYRNLYREG SGIGAIDSNL DWSHNFTNML GYTDHQFTEL TRLYLTIHSD HEGGNVSAHT SHLVGSALSD PYLSFAAAMN GLAGPLHGLA NQEVLVWLTQ LQKEVGKDVS DEKLRDYIWN TLNSGRVVPY YGHAVLRKTD PRYTCQREFA LKHLPNPDMF KLVAQLYKIV PNVLLQGGKA KNPWPVNDAH SGVLLQYYGM TEMNYYTVLF GVSRALGVLA QLIWSRALGF PLERPKSMST EGLMKFVDSK SG Molecular weight: 51.4 kDa (462aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Choudhary C., Kumar C., et al. (2009) Science 325:834-840

Pictures:

