

Product datasheet for **AR51626PU-N**

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

Product data:

Product Type:	Recombinant Proteins
Description:	Citrate synthase (28-466, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSASSTNLK DILADLIPKE QARIKTRFQQ HGKTVVGQIT VDMMYGGMRG MKGLVYETSV LDPDEGIRFR GFSIPECQKL LPKAKGGEEP LPEGLFWLLV TGHIPTTEQV SWLSKEWAKR AALPSHVVTM LDNFPTNLHP MSQLSAAVTA LNSESNFARA YAQGISRTKY WELIYEDSMD LIAKLPCVAA KIYRNLYREG SGIGAIDSNL DWSHNFTNML GYTDHQFTEL TRLYLTIHSD HEGGNVSAHT SHLVGSALSD PYLSFAAAMN GLAGPLHGLA NQEVLVWLTQ LQKEVGKDVS DEKLRDYIWN TLNSGRVWPG YGHAVLRKTD PRYTCQREFA LKHLPNDFMF KLVAQLYKIV PNVLLEQGKA KNPWPNVDAH SGVLLQYYGM TEMNYYTVLF GVSRALGVLA QLIWSRALGF PLERP KSMST EGLMKFVDSK SG
Tag:	His-tag
Predicted MW:	51.4 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human CS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
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.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_004068
Locus ID:	1431



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UniProt ID: [O75390](#)

Cytogenetics: 12q13.3

Synonyms: CS

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:

