

# Product datasheet for AR51626PU-S

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

### **Product data:**

#### OriGene Technologies, Inc.

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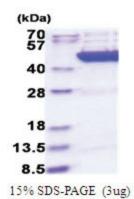
Product Type:	Recombinant Proteins
Description:	Citrate synthase (28-466, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSASSTNLK DILADLIPKE QARIKTFRQQ HGKTVVGQIT VDMMYGGMRG MKGLVYETSV LDPDEGIRFR GFSIPECQKL LPKAKGGEEP LPEGLFWLLV TGHIPTEEQV SWLSKEWAKR AALPSHVVTM LDNFPTNLHP MSQLSAAVTA LNSESNFARA YAQGISRTKY WELIYEDSMD LIAKLPCVAA KIYRNLYREG SGIGAIDSNL DWSHNFTNML GYTDHQFTEL TRLYLTIHSD HEGGNVSAHT SHLVGSALSD PYLSFAAAMN GLAGPLHGLA NQEVLVWLTQ LQKEVGKDVS DEKLRDYIWN TLNSGRVVPG YGHAVLRKTD PRYTCQREFA LKHLPNDPMF KLVAQLYKIV PNVLLEQGKA KNPWPNVDAH SGVLLQYYGM TEMNYYTVLF GVSRALGVLA QLIWSRALGF PLERPKSMST 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:	
Preparation: Protein Description:	DTT
•	DTT Liquid purified protein Recombinant human CS protein, fused to His-tag at N-terminus, was expressed in E.coli and
Protein Description:	DTT Liquid purified protein Recombinant human CS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Protein Description: Storage:	DTT Liquid purified protein Recombinant human CS protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. 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.



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	Citrate synthase (28-466, His-tag) Human Protein – AR51626PU-S
UniProt ID:	<u>075390</u>
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 metablism. This protein is nuclear encoded and transported into the mitochondrial matrix, where the mature form is found. [provided by RefSeq, Jul 2008]
Protein Pathway	<b>vs:</b> Citrate cycle (TCA cycle), Glyoxylate and dicarboxylate metabolism, Metabolic pathways

## Product images:



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