

Datasheet for ABIN1098472

ICT1 Protein (His tag)**1** Image[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	ICT1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ICT1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Purification:	purified by chromatography
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	ICT1
Alternative Name:	ICT1 (ICT1 Products)
Background:	Peptidyl-tRNA hydrolase ICT1 acts as a codon-independent translation release factor that has lost all stop codon specificity and directs the termination of translation in mitochondrion, possibly in case of abortive elongation. It may be involved in the hydrolysis of peptidyl-tRNAs that have been prematurely terminated and thus in the recycling of stalled mitochondrial ribosomes. Recombinant human ICT1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Target Details

Molecular Weight: 22.8 kDa (200aa) confirmed by MALDI-TOF

NCBI Accession: [NP_001536](#)

Application Details

Comment: Synonyms: Peptidyl-tRNA hydrolase ICT1, mitochondrial, DS-1, DS1

Restrictions: For Research Use only

Handling

Format: Liquid

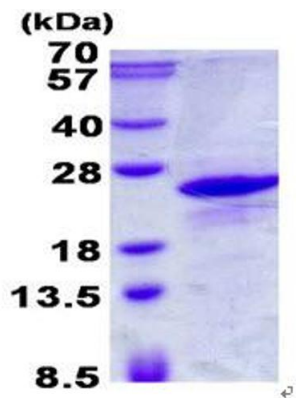
Concentration: 0.5 mg/ml (determined by Bradford assay)

Buffer: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2 M NaCl, 30% glycerol, 1 MM DTT

Storage: 4 °C

Storage Comment: Avoid repeated freezing and thawing cycles.

Images



15% SDS-PAGE (3ug)

Image 1.