

## Product datasheet for **AR50658PU-N**

### ICT1 / DS1 (30-206, His-tag) Human Protein

#### Product data:

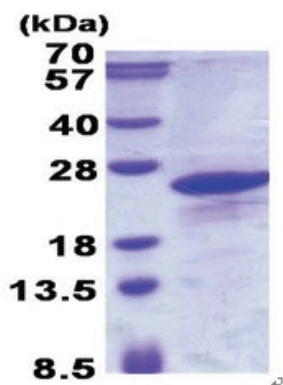
Product Type:	Recombinant Proteins
Description:	ICT1 / DS1 (30-206, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSLHKQKDG TEFKSIYSLD KLYPESQGSD TAWRVPNGAK QADSDIPLDR LTISYCRSSG PGGQNVNKNV SKAEVRFHLA TAEWIAEPVR QKIAITHKNK INRLGELILT SESSRYQFRN LADCLQKIRD MITEASQTPK EPTKEDVKLH RIRIENMNRE RLRQKRIHSA VKTSRRVDMD
Tag:	His-tag
Predicted MW:	22.8 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 0.2M NaCl, 30% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ICT1 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:	<a href="#">NP_001290194</a>
Locus ID:	3396
UniProt ID:	<a href="#">Q14197</a>
Cytogenetics:	17q25.1
Synonyms:	DS-1; DS1; ICT1; MRP-L58



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**Summary:**

The protein encoded by this gene is a peptidyl-tRNA hydrolase and a vital component of the large mitochondrial ribosome. The encoded protein serves as a ribosome release factor for this ribosome, which translates mitochondrial genes. This protein may be responsible for degrading prematurely-terminated polypeptides and for reusing stalled ribosomes. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2014]

**Product images:**

15% SDS-PAGE (3 $\mu$ g).