



Recombinant Human Peptidyl-tRNA hydrolase ICT1, mitochondrial (ICT1)

Product Code	CSB-EP613490HU-B
Abbreviation	ICT1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q14197
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	L HKQKDGTEFK SIYSLDKLYP ESQGSDTAWR VPNGAKQADS DIPLDRLTIS YCRSSGPGGQ NVNKVNSKAE VRFHLATAEW IAEPVRQKIA ITHKNKINRL GELILTSESS RYQFRNLADC LQKIRDMITE ASQTPKEPTK EDVKLHRIRI ENMNRERLRQ KRIHSAVKTS RRVDMD
Source	E.coli
Target Names	MRPL58
Protein Names	Recommended name: Peptidyl-tRNA hydrolase ICT1, mitochondrial EC= 3.1.1.29 Alternative name(s): Digestion substraction 1 Short name= DS-1 Immature colon carcinoma transcript 1 protein
Expression Region	30-206
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	The adult colon epithelium contains 3 differentiated cell types that arise from a multipotent stem cell. Deviation from the normal maturation pathway by neoplastic transformation is thought to initiate in stem cells or their early descendants. One potential marker is ICT1 whose mRNA and protein were more highly expressed in undifferentiated than in differentiated cells.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.