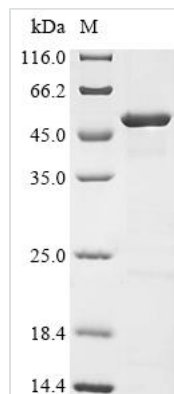




Recombinant Rickettsia australis Citrate synthase (gltA), partial

Product Code	CSB-EP006031RMQ
Abbreviation	Recombinant Rickettsia australis gltA protein, partial
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.	P51039
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Rickettsia australis Citrate synthase(gltA),partial
Immunogen Species	Rickettsia australis
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	DSEFAELKIRGKIFKLPILKASIGEDVIDISRVSAEADCFTYDPGFMSTASCQSTI TYIDGDKGILRHRGYNIKDLAEKSDFLEVAYLLIYGELPTIEQYNNFTTQVAHHS LVNERLHYLFQAFCSSSHPMAIMLAAGVSLSAFYPDLLNFKEADYELTAIRMIK IPTIAAMSYKYSIGQPFIYPDNLDFTENFLHMMFATPCTKYKVNPIIKNALNKIFI LHADHEQNASTSTVRIAGSSGANAFACISTGIASLWGPAGGGANEAVINMLKEI GSSENIPKFIKAKDKNDPFRMLMGFGHRVYKNYDPRAAVLKETCKAVLKELGQ LENNPLLQIAIELEAIALKDEYFIERKLYPNVDFYSGIYKAMGIPSQMFTVLFAIA RTVGWMAQWKEMHEDPEQKISRPR
Research Area	Others
Source	E.coli
Target Names	gltA
Expression Region	1-411aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	53.6 kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The recombinant *Rickettsia australis* gltA protein production is achieved through the manipulation of desired gene expression in e.coli cells. The sequence (1-411aa) of foreign DNA is fused to an expression vector and then transformed into e.coli cells. The positive cells are selected and cultured to induce the expression of the desired protein. A N-terminal 10xHis tag and C-terminal Myc tag is fused to the protein. The recombinant *Rickettsia australis* gltA protein is subjected to affinity purification. Its purity is over 90%, as measured by SDS-PAGE.

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.