

Recombinant Human ACO2 protein, GST-tagged

Cat. No. ACO2-9295H Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|--|
| Product Overview | Recombinant Human ACO2 protein(1-300 aa), fused with N-terminal GST tag, was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 1-300 aa |
| Tag | N-GST |
| Form | The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ ,17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. |
| Purity | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining. |
| Storage | Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles. |
| Reconstitution | Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage. After reconstitution with sterile water, if glycerol has no effect on subsequent experiments, it is recommended to add an equal volume of glycerol for long-term storage. |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence

MAPYSLLVTRLQKALGVRQYHVASVLCQRAKVAMSHFEPNEYIHYDLLEKNINIVRK
 RLNRPLTLSEKIVYGHLDLDPASQEIERGKSYLRLRPDRVAMQDATAQMAMLQFISSG
 LSKVAVPSTIHCDHLIEAQVGGKDLRRAKDINQEVYNFLATAGAKYGVGFWKPGSG
 IIHQIILENYAYPGVLLIGTDSHTPNGGGLGGICIGVGGADAVDVMAGIPWELKCPKVI
 GVKLTGSLSGWSSPKDVILKVAGILTVKGGTGAIVEYHGPGVDSISCTGMATICNMG
 AEIGATTSVFPYN

GENE INFORMATION

Gene Name [ACO2 aconitase 2, mitochondrial \[Homo sapiens \]](#)

Official Symbol [ACO2](#)

Synonyms [ACO2](#); aconitase 2, mitochondrial; aconitate hydratase, mitochondrial; ACONM;
 citrate hydro-lyase; ICRD; MGC20605; MGC33908;

Gene ID [50](#)

mRNA Refseq [NM_001098](#)

Protein Refseq [NP_001089](#)

MIM [100850](#)

UniProt ID [Q99798](#)

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SDS-PAGE



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