

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.

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AA Sequence

MAPYSLVTRLQKALGVRQYHVASVLCQRAKVAMSHFEPNEYIHVDLLEKNINIVRK
 RLNRPLTLSEKIVYGHLD DPASQEIERGKSYLRLRPDRVAMQDATAQMAMLQFISSG
 LSKVAVPSTIHCDHLIEAQVGGEKDLRRAKDINQEVYNFLATAGAKYGVGFWKPGSG
 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](#)

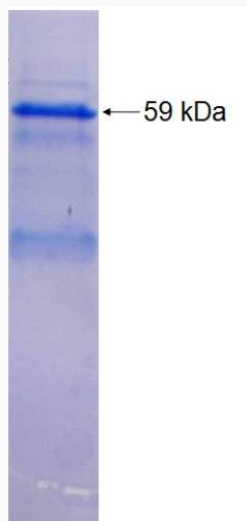
MIM [100850](#)

UniProt ID [Q99798](#)

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SDS-PAGE

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