

Recombinant Human ACO1 protein, His-tagged

Cat. No. ACO1-2489H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ACO1 protein(P21399) (Met 1-Lys 889) was expressed in Insect Cells, with a polyhistidine tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-889 aa
Form	Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 10% gly, 2mM DTT.
Molecular Mass	The recombinant human ACO1 consists of 908 amino acids and has a calculated molecular mass of 101 kDa. It migrates as an approximately 90 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

 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

protein Refseq-Weblink http://www.ncbi.nlm.nih.gov/protein/NP_002188.1

Unit ID P21399

Unit ID-Weblink <http://www.uniprot.org/uniprot/P21399>

GENE INFORMATION

Gene Name [ACO1 aconitase 1, soluble \[Homo sapiens \]](#)

Official Symbol [ACO1](#)

Synonyms ACO1; aconitase 1, soluble; IREB1; cytoplasmic aconitate hydratase; IREBP; IRP1; IRE-BP 1; aconitate hydratase; citrate hydro-lyase; iron regulatory protein 1; ferritin repressor protein; iron-responsive element binding protein 1; iron-responsive element-binding protein 1; ACONS; IREBP1;

Gene ID [48](#)

mRNA Refseq [NM_002197](#)

protein Refseq NP_002188

MIM [100880](#)

 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