Recombinant Human ACO1 protein(Met1-Lys889), His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human ACO1 (P21399) (Met 1-Lys 889) was expressed in Insect Cells, with a polyhistidine tag at the N-terminus.
Source	Insect Cells
Species	Human
Tag	His
Protein length	Met1-Lys889
Form	Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 10% gly, 2mM DTT. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
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	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be

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	aliquoted 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.

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
UniProt ID	P21399

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