

Human ACO1/irp1 (His Tag) recombinant protein



Catalog Number: 501341

General Information

Gene Name Synonym

Citrate hydro-lyase; Ferritin repressor protein;
Iron regulatory protein 1; Iron-responsive
element-binding protein 1

Protein Construction

A DNA sequence encoding the human ACO1
(P21399) (Met 1-Lys 889) was expressed, with a
polyhistidine tag at the N-terminus.

Organism

Human

Expression Host

Baculovirus-Insect Cells

QC Testing

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by
the LAL method

Stability

Samples are stable for up to twelve months from
date of receipt at -70°C

Predicted N terminal

Met

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.

Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl,
pH 8.0, 10% gly, 2mM DTT

1. 5 % trehalose and mannitol are added as
protectants before lyophilization.

2. Please contact us for any concerns or special
requirements.

Usage Guide

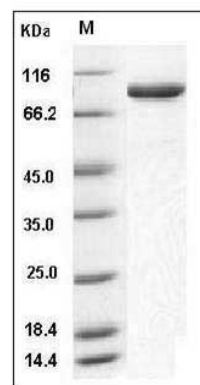
Storage

Store it under sterile conditions at -20°C to -80°C .
It is recommended that the protein be aliquoted
for optimal storage. Avoid repeated freeze-thaw
cycles.

Reconstitution

Adding sterile water, prepare a stock solution of
0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



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