

# Human IDH1 (His Tag) recombinant protein



Catalog Number: 500222

## General Information

### Gene Name Synonym

Cytosolic NADP-isocitrate dehydrogenase; IDP; NADP(+)-specific ICDH; Oxalosuccinate decarboxylase

### Protein Construction

A DNA sequence encoding the human IDH1 (O75874) (Met 1-Leu 414) was fused with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Purity

> 95 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Stability

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

### Predicted N terminal

Met 1

### Molecular Mass

The recombinant human IDH1 consisting of 424 amino acids and has a calculated molecular mass of 48 kDa. It migrates as an approximately 43 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 50mM Tris, 200mM NaCl, 1mM DTT, 10% Glycerol, pH 7.5

- 5 % trehalose and mannitol are added as protectants before lyophilization.
- Please contact us for any concerns or special requirements.

## Usage Guide

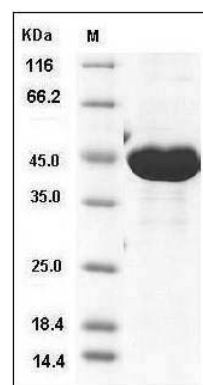
### Storage

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



Human IDH1 Protein (His Tag) SDS-PAGE