

# Human Isovaleryl-CoA dehydrogenase / IVD (aa 30-423, His Tag) recombinant protein



Catalog Number: 502899

## General Information

### Protein Construction

A DNA sequence encoding the human IVD (AAH17202.1) (His30-His423) was fused 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  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

His

### Molecular Mass

The recombinant human IVD consists of 412 amino acids and has a calculated molecular mass of 45.3 kDa. The recombinant protein migrates as an approximately 43 kDa band in SDS-PAGE under

reducing conditions.

### Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 8.0, 10% glycerol

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

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

## Usage Guide

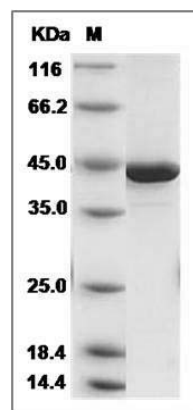
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . 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 Isovaleryl-CoA dehydrogenase / IVD Protein (aa 30-423, His Tag) SDS-PAGE