

# Human Fumarate Hydratase (His Tag) recombinant protein



Catalog Number: 501721

## General Information

### Protein Construction

A DNA sequence encoding the mature form of human FH (P07954-1) (Ala 45-Lys 510) was fused with a polyhistidine tag at the C-terminus and an initial Met at the N-terminus.

### Organism

Human

### Expression Host

E. coli

## QC Testing

### Purity

> 85 % 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

### Molecular Mass

The recombinant human FH consisting of 477 amino acids and has a calculated molecular mass of 52 kDa. It migrates as an approximately 45 kDa

band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 10mM Tris, 5mM EDTA, 1mM DTT, pH 7.5

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

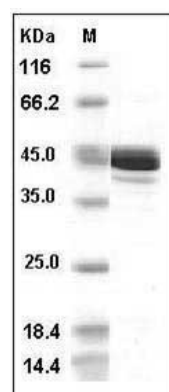
### Storage

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



Human Fumarate Hydratase / FH Protein (His Tag) SDS-PAGE