

# Recombinant Human Fumarate hydratase/FH Protein

Catalog No.: RP03229LQ Recombinant

# **Sequence Information**

Species Gene ID Swiss Prot Human 2271 P07954

Tags

No tag

**Synonyms** 

Fumarate Hydratase Mitochondrial; Fumarase; FH

# **Product Information**

Source Purification
E.coli ≥ 95 % as determined by SDS-PAGE.

Calculated MW Observed MW

50.2 kDa 45-50 kDa

**Endotoxin** 

< 1 EU/µg of the protein by LAL method.

#### **Formulation**

Supplied as a 0.22 µm filtered solution of 20 mM Tris-HCl, pH 8.0. Contact us for customized product form or formulation.

#### Reconstitution

Contact

<b>a</b>	400-999-6126
×	cn.market@abclonal.com.cn
<b>⊙</b>	www.abclonal.com.cn

# **Background**

Fumarase is an enzyme that catalyze the reversible hydration/dehydration of fumarate to S-malate and is involved in the tricarboxylic acid or Krebs cycle. Fumarase exists in both form, cytosolic formand N-terminal extend mitochondrial form. The N-terminal extended form is targeted to the mitochondrion, where the removal of the extension is the same form as in the cytoplasm. Fumarase is thought to act as a tumor suppressor, which deficiency can lead to progressive encephalopathy, cerebral atrophy and development delay.

### **Basic Information**

#### **Description**

Recombinant Human Fumarate hydratase/FH Protein is produced by *E. coli* expression system. The target protein is expressed with sequence(Ala45-Lys510) of Human Fumarate hydratase/FH (Accession #P07954) fused with No tag.

### **Bio-Activity**

#### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

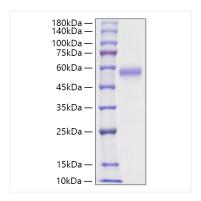
#### **Storage**

Store at -70°C. This product is stable at  $\leq$  -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

#### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

# **Validation Data**



Recombinant Human Fumarate hydratase/FH Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.