

Recombinant Human Fumarate hydratase/FH Protein

Catalog No.: RP03229LQ

Sequence Information

Species **Gene ID**
Human 2271

Swiss Prot **Tags**
P07954 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

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 form and 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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -70°C

Operational Notes

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

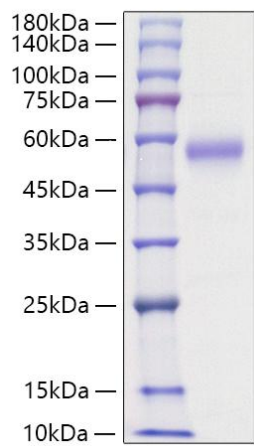
Contact

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Validation Data



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