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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

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

Storage
Store at -70℃. This product is stable at ≤ -70℃ 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.

Contact

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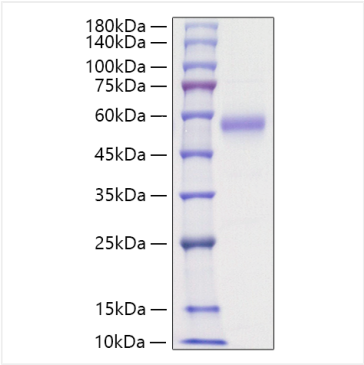
Validation Data



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