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Datasheet for ABIN7318507

FH Protein

Overview

Quantity:	50 µg
Target:	FH
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human Fumarase/FH Protein
Sequence:	Ala45-Lys510
Characteristics:	Recombinant Human Fumarase is produced by our E.coli expression system and the target gene encoding Ala45-Lys510 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	FH
Alternative Name:	Fumarase/FH (FH Products)
Background:	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

Target Details

in the cytoplasm. Fumarase is thought to act as a tumor suppressor, which deficiency can lead to progressive encephalopathy, cerebral atrophy and development delay.

Synonym: Fumarate Hydratase Mitochondrial, Fumarase, FH,FMRD,HLRCC,LRCC,MCL,MCUL1

Molecular Weight: 50.2 kDa

UniProt: [P07954](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM Tris, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.