

32-7202: Recombinant Human Fumarase/FH

Gene : FH
Gene ID : 2271
Uniprot ID : P07954

Description

Source: E.coli.
MW :50.2kD.

Recombinant Human Fumarase is produced by our E.coli expression system and the target gene encoding Ala45-Lys510 is expressed. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of 20mM Tris, pH 8.0.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MASQNSFRIEYDTFGELKVPNDKYYGAQTVRSTMNFKIGGVTERMPTPVIKAFGILKRAAAEVNQDYGLDPKIAN
AIMKAADEVAEGKLNDFPLVWVWQTGSGTQTNMNVNEVISNRAIEMLGELGSKIPVHPNDHVNKSQSSNDT
FPTAMHIAAAIEVHEVLLPGLQKLHDALDAKSKEFAQIIKIGRHTHTQDAVPLTLGQEFSGYVQVQKYAMTRIKAA
MPRIYELAAGGTAVGTGLNTRIGFAEKVAAKVAALTGLPFVTAPNKFEALAAHDALVELSGAMNTTACSLMKIA
NDIRFLGSGPRSGLGELILPENEPGSSIMPGKVNPTQCEAMTMVAAQVMGNHVAVTVGGSNHGFELNVFKPM
MIKNVLHSARLLGDASVSFTENCVVGIQANTERINKLMNESLMLVTALNPHIGYDKAAKIAKTAHKNGSTLKETA
IELGYLTAEQFDEWVKPKDMLGPK

Application Note

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.