

Recombinant Human Fumarase/FH Protein

Catalog Number:PKSH032462



Note: Centrifuge before opening to ensure complete recovery of vial contents.

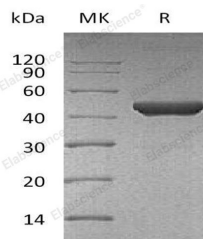
Description

Synonyms	Fumarate Hydratase Mitochondrial;Fumarase;FH;FMRD;HLRCC;LRCC;MCL;MCUL1
Species	Human
Expression Host	E.coli
Sequence	Ala45-Lys510
Accession	P07954
Calculated Molecular Weight	50.2 kDa
Observed molecular weight	45 kDa
Tag	None

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, pH 8.0.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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.

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