

Fumarase, 44-510aa Human, Recombinant, E.coli

Cat.NO.: TP02162

3th Edition

Synonyms:Fumarate hydratase, FH, HLRCC, LRCC, MCL, MCUL1

Description:Fumarase (Fumarate hydratase) is an enzyme that catalyzes the reversible hydration/dehydration of fumarate to S-malate and is involved in the tricarboxylic acid (TCA), or Krebs cycle. This enzyme exists in both a cytosolic form and an N-terminal extended 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.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0)

Molecular Weight:50.2kDa (467aa), confirmed by MALDI-TOF

Sequences:

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.