

Recombinant Human FH protein, T7/His-tagged

Cat. No. FH-205H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human FH cDNA (45-510 aa) fused with T7-His-TEV cleavage site Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	45-510 a.a.
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
AA Sequence	MASMTGGQQMGRGRGHHHHHHENLYFQGGEFASQNSFRIEYDTFGELKVPNDKYYG AQTVRSTMNFKIGGVTERMPT PVIKAFGILKRAAAEVNQDYGLDPKIANAIMKAADE VAEGKLNDFPLVWVWQTGSGTQTNMNVNEVISNRAIEML GGELGSKIPVHPNDHVN KSQSSNDFPTAMHIAAAIEVHEVLLPGLQKLHDALDAKSKEFAQIIKIGRTHQTDAV PLTLGQEFSGYVQQVKYAMTRIKAAMPRIYELAAGGTAVGTGLNTRIGFAEKVAAKV AALTGLPFVTAPNKFEAL AAHDALVELSGAMNTTACSLMKIANDIRFLGSGPRSLG ELILPENEPGSSIMPGKVNPTQCEAMTMVAAQVMGN HVAVTVGGSNHGFELNVFK PMMIKNVLHSARLLGDASVSFTENCVVGIQANTERINKLMNESLMLVTALNPHIGY D KAAKIAKTAHKNGSTLKETAIELGYLTAEQFDEWVKPKDMLGPK
Purity	>90% by SDS-PAGE.
Storage	Keep at -80°C for long term storage. Product is stable at 4 °C for at least 30 days.

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GENE INFORMATION

Gene Name FH fumarate hydratase [Homo sapiens]

Official Symbol FH

Synonyms FH; fumarate hydratase; fumarate hydratase, mitochondrial; fumarase; MCL; LRCC; HLRCC; MCUL1;

Gene ID 2271

mRNA Refseq NM_000143

Protein Refseq NP_000134

MIM 136850

UniProt ID P07954

Chromosome Location 1q42.1

Pathway Citrate cycle (TCA cycle), organism-specific biosystem; Citrate cycle (TCA cycle), conserved biosystem; Citrate cycle, second carbon oxidation, 2-oxoglutarate =>oxaloacetate, organism-specific biosystem; Citrate cycle, second carbon oxidation, 2-oxoglutarate => oxaloacetate, conserved biosystem; Citric acid cycle (TCA cycle), organism-specific biosystem;

Function fumarate hydratase activity; lyase activity;

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