

Active Recombinant Human FH protein, His-tagged

Cat. No. FH-1175H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FH protein(Ala45-Lys510)(P07954-1), fused with His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala45-Lys510
Form	Lyophilized from sterile 10mM Tris, 5mM EDTA, 1mM DTT, pH 7.5Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to transform 1umole of Fumarate to L-malate per minute at pH 7.5 at 37°C. Specific activity is > 25 unit/mg.
Molecular Mass	The recombinant human FH consisting of 477 amino acids and has a calculated molecular mass of 52 kDa. It migrates as an approximately 45 kDa band in SDS-PAGE under reducing conditions.
Purity	> 85 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein

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be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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

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