

## Recombinant Human FH Protein

**Cat. No.** FH-2320H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant human FH protein without tag was expressed in E. coli.                                                                                                                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                 |
| <b>Description</b>      | Catalyzes the reversible stereospecific interconversion of fumarate to L-malate. Experiments in other species have demonstrated that specific isoforms of this protein act in defined pathways and favor one direction over the other. |
| <b>Purity</b>           | >90 % as determined by SDS-PAGE.                                                                                                                                                                                                       |
| <b>Notes</b>            | For research use only.                                                                                                                                                                                                                 |
| <b>Storage</b>          | Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.                                                |
| <b>Storage Buffer</b>   | Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.                                                                                                                                                                |
| <b>Reconstitution</b>   | Reconstitute in sterile water for a stock solution.                                                                                                                                                                                    |
| <b>Shipping</b>         | In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.                                                                                  |

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## GENE INFORMATION

|                 |                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------|
| Gene Name       | FH fumarate hydratase [ Homo sapiens (human) ]                                                |
| 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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