

## Recombinant Human FAH, GST-tagged

**Cat. No.** FAH-86H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human FAH(1 a.a. - 419 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | This gene encodes the last enzyme in the tyrosine catabolism pathway. FAH deficiency is associated with Type 1 hereditary tyrosinemia (HT).                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 72.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>AA Sequence</b>      | MSFIPVAEDSDFPIHNLPYGVFSTRGDPRPRIGVAIGDQILDLSIIKHLFTGPVLSKHQ<br>DVFNQPTLNSFMGLGQ AAWKEARVFLQNLLSVSQARLRDDTELKCAFISQASAT<br>MHLPATIGDYTDFYSSRQHATNVGIMFRDKENALMP NWLHLPVGYHGRASSVVVS<br>GTPIRRPMGQMKPDDSKPPVYGACKLLDMELEMAFFVGPGNRLGEPIPISKAHEHI<br>FGMVLMDWSARDIQKWEYVPLGPFLGKSFGTTVSPWVVPMDALMPFAVPNPKQ<br>DPRPLPYLCHDEPYTFDINLS VNLKGEGMSQAATICKSNFKYMYWTMLQQLTHHSV<br>NGCNLRPGDLLASGTISGPEPENFGSMLELSWKGTKPIDL GNGQTRKFLLDGDEVII<br>TGYCQGDGYRIGFGQCAGKVLPAALLPS |
| <b>Applications</b>     | ELISA; WB-Re; AP; Array                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                                                                                                                             |

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**Storage** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** FAH fumarylacetoacetate hydrolase (fumarylacetoacetase) [ Homo sapiens (human) ]

**Official Symbol** FAH

**Synonyms** FAH; fumarylacetoacetate hydrolase (fumarylacetoacetase); fumarylacetoacetase; FAA; beta-diketonase; FLJ51912

**Gene ID** 2184

**mRNA Refseq** NM\_000137

**Protein Refseq** NP\_000128

**MIM** 613871

**UniProt ID** P16930

**Chromosome Location** 15q25.1

**Pathway** Metabolism of amino acids and derivatives; Phenylalanine and tyrosine catabolism; Tyrosine degradation, tyrosine => homogentisate

**Function** fumarylacetoacetase activity; metal ion binding

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