

## 32-7683: Recombinant Human Fumarylacetoacetase/FAH (C-6His)

**Gene :** FAH  
**Gene ID :** 2184  
**Uniprot ID :** P16930

### Description

Source: Human Cells.  
MW :47.4kD.

Recombinant Human Fumarylacetoacetase is produced by our Mammalian expression system and the target gene encoding Ser2-Ser419 is expressed with a 6His tag at the C-terminus. Fumarylacetoacetase belongs to the FAH family. Fumarylacetoacetase is primarily expressed in liver and kidney. It exists as a homodimer and catalyzes the hydrolysis of 4-fumarylacetoacetate into fumarate and acetoacetate. Defects in Fumarylacetoacetase cause tyrosinemia type 1, which is a congenital metabolism defect characterized by elevated levels of tyrosine in the blood and urine, and hepatorenal manifestations. Typical features include renal tubular injury, self-mutilation, hepatic necrosis, episodic weakness, and seizures.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** SFIPVAEDSDFPIHNLPGYVFSTRGDPRPRIGVAIGDQILDLSIIKHLFTGPVLSKHQDVFNQPTLNSFMGLGQAA WKEARVFLQNLLSVSQARLRDDTELKCAFISQASATMHLPATIGDYTDYSSRQHATNVGIMFRDKENALMP NWLHLPVGYHGRASSVVVSGTPPIRRPMGQMKPDDSKPPVYGACKLLDMELEMAFFVGPNGRLGEPIPIKAHE HIFGMVLMNDWSARDIQKWEYVPLGPFGLGKSGTTVSPWVVPMDALMPFVNPQDPRPLPYLCHDEPYTF DINLSVNLKGEQMSQAATICKSNFKYMYWTMLQQLTHHSVNGCNLRPGDLLASGTISGPEPENFGSMLELSWK GTKPIDLGNGQTRKFLLDGDEVIITGYCQGDGYRIGFGQCAGKVLALLPSVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.