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Datasheet for ABIN4370730

FAH Protein (AA 2-419) (His tag)

Overview

Quantity:	50 µg
Target:	FAH
Protein Characteristics:	AA 2-419
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FAH protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Fumarylacetoacetase/FAH (C-6His)
Sequence:	SFIPVAEDSD FPIHNLPGYV FSTRGDPRPR IGVAIGDQIL DLSIIKHLFT GPVLSKHQDV FNQPTLNSFM GLGQAAWKEA RVFLQNLLSV SQARLRDDTE LRKCAFISQA SATMHLPATI GDYTDIFYSSR QHATNVGIMF RDKENALMPN WLHLPVGYHG RASSVVVSGT PIRRPMGQMK PDDSKPPVYG ACKLLDMELE MAFFVGPGNR LGPIPIKA HEHIFGMVLM NDWSARDIQK WEYVPLGPFL GKSFGTTVSP WVPMDALMP FAVPNPKQDP RLPYLCHDE PYTFDINLSV NLKGEGMSQA ATICKSNFKY MYWTMLQQLT HHSVNGCNLR PGDLLASGTI SGPEPENFGS MLELSWKGTK PIDLGNGQTR KFLLDGDEVI ITGYCQGDGY RIGFGQCAGK VLPALLPSVD HHHHHH
Characteristics:	Recombinant Human Fumarylacetoacetase/FAH is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Ser2-Ser419) of Human FAH fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	FAH
Alternative Name:	Fumarylacetoacetase (FAH Products)
Sub Type:	Fusionprotein
Background:	<p>Fumarylacetoacetase belongs to the FAH family. Fumarylacetoacetase is primary 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 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.</p> <p>Alternative Names: Fumarylacetoacetase, FAA, Beta-Diketonase, Fumarylacetoacetate Hydrolase, FAH</p>
Molecular Weight:	47.4 kDa
UniProt:	P16930

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C
Storage Comment:	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p>

Handling

Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 3 months