

FH-/- CL 19 Cell Line

Catalogue number: 153290

Sub-type:

Images:

Contributor

Inventor: Eyal Gottlieb

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: FH-/- CL 19 Cell Line

Alternate name: Fumarate hydratase, FH, fumarase, Fh1, Hereditary leiomyomatosis and renal cell cancer, HLRCC

Class:

Conjugate:

Description: Fumarate hydratase which can be found in either a mitochondrial or cytosolic form - is an enzyme that catalyzes the reversible hydration and dehydration of fumarate to malate. Signal sequences located in the protein dictate the subcellular location of each FH isoenzyme. The cytosolic form is involved in the metabolism of amino acids and fumarate and the mitochondrial form is involved in the Krebs Cycle (tricarboxylic acid cycle or the citric acid cycle). Germline mutations of FH are responsi...

Purpose:

Parental cell:

Organism: Mouse

Tissue: Kidney

Model: Knock-Out

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Fumarate Hydratase

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:
Application notes:

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium: Cells can be maintained in DMEM supplemented with 10% FBS, 2 mmol/l glutamine, 1 mmol/l pyruvate and 50 mg/l uridine. However, the inventor advises to use more physiological conditions for experiments, such as Plasmax, available on our website.

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions: Liquid Nitrogen

Shipping conditions: Dry ice

Related tools

Related tools: FH fl/fl Cell Line ; FH-/- CL 1 Cell Line

References

References: Frezza et al. 2011. Nature. 477(7363):225-8. PMID: 21849978. ; Haem oxygenase is synthetically lethal with the tumour suppressor fumarate hydratase. ; Pollard et al. 2007. Cancer Cell. 11(4):311-9. PMID: 17418408. ; Targeted inactivation of fh1 causes proliferative renal cyst development and activation of the hypoxia pathway.

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