

重组人 FGL1 蛋白说明书

产品描述

产品名称: 重组人 FGL1 蛋白 (Recombinant Human FGL1 Protein)

产品编号: TL-742

表达宿主: 人 HEK293 细胞

来源: 人

同源名称: FGL1, Hepassocin, HP-041, HFREP-1, LFIRE-1, HFREP1

产品信息

蛋白序列: DNA 序列编码人 FGL1 (Q08830-1) 表达带有 His 标签在 C 末端。

分子量: 重组人 FGL1 蛋白包含 295 个氨基酸, 预测的理论分子量为 34kd。

纯度: ≥95%采用 SDS-PAGE 凝胶和高效液相色谱分析。

内毒素: <0.1EU/ug (凝胶法)

提纯方法: 层析纯化

生物学活性: 固定人 LAG-3 (Fc 标签) 的浓度是 20 μg/mL (100 μL/孔) 能够结合人 FGL1 (His 标签) 的线性范围是 0-10ug/mL。

使用说明

稳定性和储存: 冻干的样本的可以在 4℃ 保存 24 个月, 溶解后的液体可以于 -20℃ 保存 6-12 个月, 并且避免反复冻融。

作用机理

Fibrinogen-like protein 1 (FGL1) is also known as HP-041, Hepassocin, HFREP-1, LFIRE-1. The protective effect of fibrinogen-like protein 1 (FGL1) in liver injury has previously been reported. However, studies have shown that FGL1 may be a predictor of GC patients and a target for GC therapy. Immunocytochemical studies revealed that fgl1 selectively binds to defective spermatozoa in the cauda epididymidis. Northern blot analysis and in situ hybridization demonstrated the high expression of fgl1 in the principal cells of the proximal cauda epididymidis. Immunofluorescence analysis using mouse fibrotic lung tissues suggested that fibrotic regions showed increased expressions of Gtsel and Fgl1, Gtsel and Fgl1 are suggested to be novel targets for radiation-induced lung fibrosis.

参考文献

1. Fibrinogen-like Protein 1 Is a Major Immune Inhibitory Ligand of LAG-3. Wang Jun J, Sanmamed Miguel F MF, Datar Ila I, Su Tina Tianjiao TT, Ji Lan L, Sun Jingwei J, Chen Ling L, Chen Yusheng Y, Zhu Gefeng G. Cell 2019-01-10 334-347. e12 1-2 176 DOI : 10.1002/sml.201802403
2. Identification of molecular signatures involved in radiation-induced lung fibrosis. Jin Hee H, Kang Ga-Young GY, Jeon Seulgi S, Kim Jin-Mo JM, Park You Na YN, Cho Jaeho J. J. Mol. Med. 2019-01-01 37-47 197
3. Fibrinogen-like protein 1 promotes the invasion and metastasis of gastric cancer and is associated with poor prognosis. Zhang Yang Y, Qiao Hui-Xia HX, Zhou Yong-Tao YT, Hong Liang L. Mol Med Rep 2018-08-01 1465-1472 218