

SRE.L-Luc/HEK293

CBP74201

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I. Background

The SRE Reporter – HEK293 cell line is designed for monitoring the activity of the MAPK/ERK signaling pathway. The SRE Reporter – HEK293 cell line contains a firefly luciferase gene under the control of SRE responsive elements stably integrated into HEK293 cells, resulting in an ERK pathway-responsive reporter cell line.

II. Introduction

Host Cell: HEK293

Expressed gene: SRE.L-Luciferase

Stability: 32 passages (in-house test, that not means the cell line will be instable beyond the passages we tested.)

Synonym(s): SRE cell line, MAPK reporter, ERK reporter

Freeze Medium: 90% FBS+10% DMSO

Culture Medium: DMEM+10%FBS+100ug/ml hygromycin

Mycoplasma Testing: Negative

Storage: Liquid nitrogen

Application(s): Functional(Report Gene) Assay



III. Description of Host Cell Line

Organism: Homo sapiens, human

Tissue: Embryonic kidney

Disease: Normal

Morphology: Epitheloid cell

Growth Properties: Adherent

IV. Representative Data

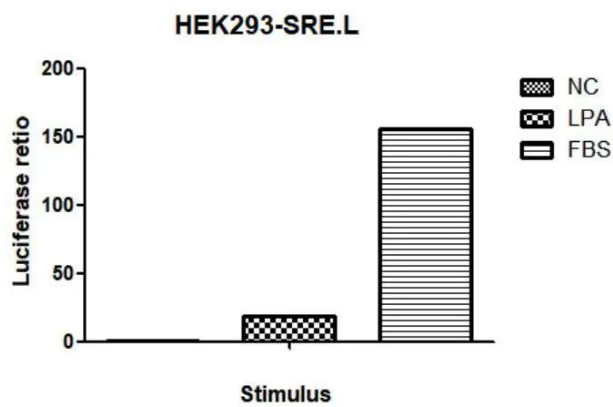


Figure 1. Detect Luciferase assay by Ultra Luciferase Detection Kit CBPH0001 (we strongly suggest to purchase from Cobioer).

