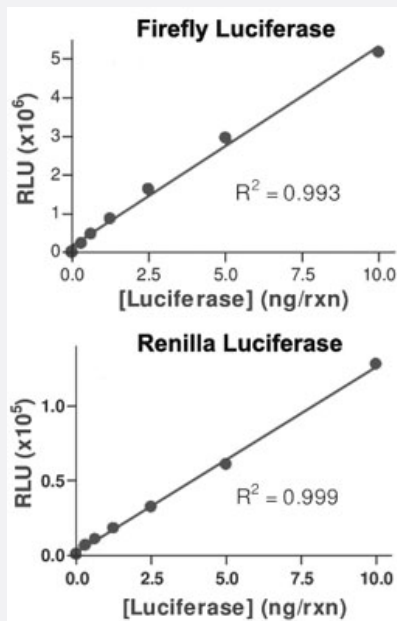


# Dual Luciferase Reporter Gene Assay Kit

Catalog # KA3784      Size 1 Kit

## Applications



The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

## Specification

|                                |  |
|--------------------------------|--|
| <b>Product Description</b>     | Dual Luciferase Reporter Gene Assay Kit is used for sequential measuring the activity of two different luciferases, <i>firefly (FFL)</i> and <i>Renilla (RL)</i> , in a single sample.             |
| <b>Suitable Sample</b>         | Cell   |
| <b>Detection Method</b>        | Luminescence   |
| <b>Limit of Detection</b>      | 2 fg luciferase  |
| <b>Regulation Status</b>       | For research use only (RUO)  |
| <b>Quality Control Testing</b> | Standard Curve<br>The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed. |
| <b>Storage Instruction</b>     | Store the kit at -20°C.  |

## Applications

- Functional Study

## Publication Reference

- [Interference of KLF9 relieved the development of gestational diabetes mellitus by upregulating DDAH2.](#)

Weixia Chen, Huiqin Wang, Jing Liu, Kaixia Li.

Bioengineered 2022 Jan; 13(1):395.

Application: Quant, Human, HTR8/Svneo cells

- [Exosome miR-134-5p restrains breast cancer progression via regulating PI3K/AKT pathway by targeting ARHGAP1.](#)

Chao Yang, Geng Zhang, Yanshou Zhang, Shuo Zhang, Jingping Li, Yunjiang Liu.

The Journal of Obstetrics and Gynaecology Research 2021 Nov; 47(11):4037.

Application: Func, Human, MCF-7, MDA-MB-231 cells

- [Histone Deacetylase 3-Mediated Inhibition of microRNA-19a-3p Facilitates the Development of Rheumatoid Arthritis-Associated Interstitial Lung Disease.](#)

Hui Yuan, Li Jiao, Nan Yu, Haifeng Duan, Yong Yu, Yanrong Bai.

Frontiers in Physiology 2020 Dec; 11:549656.

Application: Func, Human, HEK 293T cells

- [miR-135a deficiency inhibits the AR42J cells damage in cerulein-induced acute pancreatitis through targeting FAM129A.](#)

Zhang KK, Yu SS, Li GY, He L, Liang XQ.

Pflügers Archiv 2019 Dec; 471(11-12):1519.

Application: Func, Human, HEK 293T cells

- [MiR-520b inhibited metastasis and proliferation of non-small cell lung cancer by targeting CHAF1A.](#)

Cai Y, Dong ZY, Wang JY.

European Review for Medical and Pharmacological Sciences 2018 Nov; 22(22):7742.

Application: Func, Human, A-549 cells

- [Expression of AGPAT2, an enzyme involved in the glycerophospholipid/triacylglycerol biosynthesis pathway, is directly regulated by HIF-1 and promotes survival and etoposide resistance of cancer cells under hypoxia.](#)

Triantafyllou EA, Georgatsou E, Mylonis I, Simos G, Paraskeva E.

Biochimica et Biophysica Acta 2018 Sep; 1863(9):1142.

Application: Func, Human, HEK 293 cells

- [Bilirubin-induced ER stress contributes to the inflammatory response and apoptosis in neuronal cells.](#)

Qaisiya M, Brischetto C, Jašprová J, Vitek L, Tiribelli C, Bellarosa C.

Archives of Toxicology 2016 Aug; 91(4):1847.

Application: Quant, Human , SH-SY5Y cells