

Oplophorus/Nanoluc Luciferase Assay Reagent (Flash Assay)

Kit Components (catalog #OLAR-1F)

OLAR-1F Assay Dilution Buffer 2 (100 ml) Store at 4° C

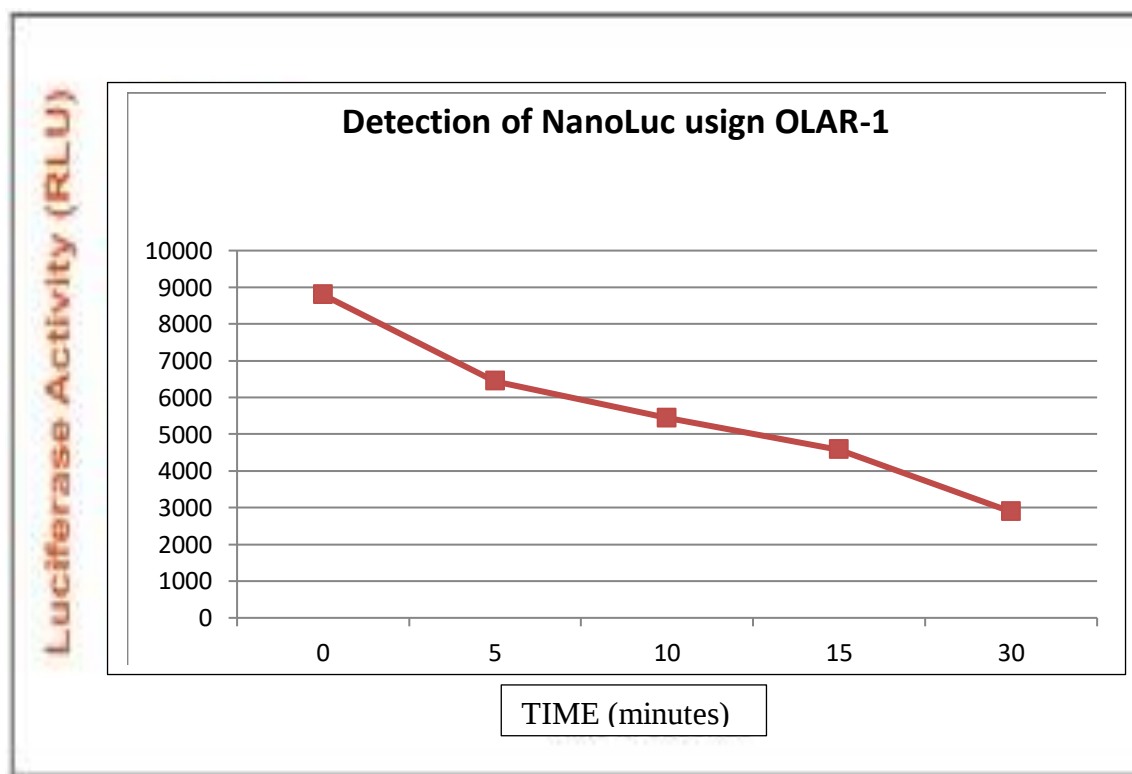
100X OLAR-1F substrate (1 ml) Store at – 80° C

Oplophorous/Nanoluc substrate

Advantages

- Rapid one-step assay
- high sensitivity
- low background, higher S/N ratio
- enough reagent for 1000 assays

Stability of the bioluminescent signal (Relative luciferase activity) using the OLAR assay Dillution Buffer provided in the kit



Assay Protocol:

Prepare the working Oplophorus luciferase/nanoluc assay reagent by diluting 50 ul of the OLAR-1 100X Substrate (Oplophorous/Nanoluc substrate) to 5 ml using the OLAR-1 Assay dilution Buffer 1 Mix well and read in the luminometer)

Assay 20 ul of the cell culture supernatant with 100 ul of the working assay reagent and read in the luminometer

Suitable for assaying the following luciferases:

Oplophorus Luciferase (wildtype, 196 aa, 19.5 kDa) GI:10336559

MAYSTLFIIALTAVVTQASSTQKSNLTFTLADFGDWQQTAGYNQDQVLEQGGGLSSLFQALGVSVTPIQ
 KVVLSGENGLKADIVHVIIPYEGLSGFQMGLEIMIFKVVYPVDDHHFKIILHYGTLVIDGVTPN MIDYFGRPY
 PGIAVFDGKQITVTGTLWNGNKIYDERLINPDGSLLFRVTINGVTGWRLCENILA

NanoLuc® (171 aa, 19.1 kDa) GI:386649645 *NanoLuc® is a registered trademark of Promega Corp.*

MVFTLEDFVGDWQRQTAGYNLDQVLEQGGVSSLFQNLGVSVTPIQRIVLSGENGLKADIVHVIIPYEGLSG
 DQMGQIEKIFKVVYPVDDHHFKVILHYGTLVIDGVTPN MIDYFGRPYEGIAVFDGKKITVTGTLWNGNKII
 DERLINPDGSLLFRVTINGVTGWRLCERILA

ORDERING INFORMATION

Catalog #	Product name	Description	Price
OLAR-1	Oplophorus Luciferase Assay Reagent	Assay of Oplophorus luciferase and related luciferases e.g Nanoluc (Glow Assay)	\$600