



## Control Luciferase (GL4)

**Cat#** : S5C-0700 (5 nmol), S10C-0700 (10 nmol),  
S20C-0700 (20 nmol), S80C-0700 (80 nmol)

**Target sequence** :

**Reference** : *Nucleic Acids Res.*, Jul 2007; 35 : 4767 - 4778.

Double stranded RNA oligo (21-mer)

**3'-overhang** : dTdT/dTdT(sense/antisense)

**MW** : 6108.78 g/mol

**Specification** : Deprotected, Desalted, purified (purity: > 95%) , Annealed, Lyophilized

**Form**: lyophilized (buffer added)

**Dissolving Method** : Add RNase-free Water to dissolve RNA oligonucleotides. Calculate the amount of water to add based on the table below. Final concentration of dissolved siRNA can be between 10 $\mu$ M - 250 $\mu$ M.

**Annealing Buffer** : 30 mM HEPES, pH7.4, 100 mM Potassium Acetate.

When you dissolve as the table below, buffer concentration will be 12 mM HEPES, pH7.4, 40 mM Potassium Acetate.

Size (nmol)	5	10	20	80
Form	5 nmol x 1	5 nmol x 2	20 nmol x 1	20 nmol x 4
RNase-free Water to add / tube ( $\mu$ L)	50	50	200	200
Final concentration ( $\mu$ M)	100	100	100	100

### Notes :

- 1) The appearance of the sample can be transparent or in white powder form or have a yellowish tint. These differences have no effect on the quality of the sample.
- 2) Since the sample may have adhered on the lid or side of the tube during transportation, please be sure to spin down briefly upon arrival, before opening the lid.

### Shelf Life and Storage conditions :

- 1) In dried lyophilized form, up to 6 months (4°C), 12 months (-20°C)
- 2) After dissolving, up to 6 months (-20°C)

\* After dissolving, in order to minimize freeze thaw, we recommend to aliquot the sample prior to storage. In addition, there shouldn't be any problems for about a week of storage at 4°C, when treated in RNase-free condition.

This product is to be used for Research Purposes Only. It is not to be used for therapeutic or diagnostic or food manufacturing purposes, nor is it intended for Human Use. The product cannot be returned after opening, unless the product itself fails to meet product specifications defined in the Certificate of Analysis. Notice of nonconforming products must be made to COSMO BIO CO., LTD. within 30 days of receipt of the product. COSMO BIO CO., LTD. shall not be liable for any profit losses or business interruption or direct or indirect damages of any kind, regardless of cause, as a result of product use.