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Certificate of Analysis

CAT# 312 RM-Luc Renilla Mulleri Luciferase

Date of Test: November 22, 2019

Compound ID: *Renilla Mulleri* Luciferase

Product Name: *Renilla Mulleri* Luciferase 95%

Production: Recombinant Protein IPTG/Kanamycin-→
Ion-Exchange Chromatography →Gel filtration
Lyophilized Powder

EC Number: 1.13.12.5

CAS Number: Not registered

Storage Temp: Store dry and dark at -20°C or for long term storage at -80°C.

Appearance: White to light yellowish fluffy powder

Solubility: Extremely soluble & rapidly dissolving
1 milligram per milliliter forms a clear to slightly hazy solution in Physiologic Buffered Saline or Distilled Water.

Maximal Turnover: 1.4 X 10^{15} QPS in 300mM NaCl pH 7.6-7.8 (Sea Water)

Elemental Analysis: 14.5 TO 16.5%Nitrogen

SDS Gel Electrophoresis: +/- 95% Coomassie Blue

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