

Recombinant Fire fly Luciferase

Cat. No. Luciferase-08F Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Fire fly luciferase produced in <i>E. coli</i> has a molecular mass of approximately 62 KDa.
Species	Firefly
Source	<i>E. coli</i>
Description	Luciferases are enzymes that emit light. A diverse group of organisms use luciferase-mediated bioluminescence to startle predators or to attract prey or mates. The luciferase from the North American fire fly releases green light during the oxidation of its chemical substrate, luciferin. Recombinant luciferase is expressed in <i>E. coli</i> .
Purity	>95% as determined by SDS-PAGE.
Specific Activity	more than 2.0×10^{11} RLU/mg.
Physical Appearance	Lyophilized powder
Optimum PH	7.0—8.5
PH Stability	6.0—9.0
Storage	This lyophilized preparation should be kept at -20°C for six months, and kept at -70°C for one year.


 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127


 45-1 Ramsey Road, Shirley, NY 11967, USA

**Crystal structure
ofPhotinus
pyralisfirefly
luciferase.**



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA