

Firefly Luciferase

L755465

Storage temperature: -20°C. Store in the dark.

Introduction:

Firefly Luciferase catalyzes the reaction of luciferin with ATP and results in the production of yellow-green light. The enzyme has a molecular weight of 62 kDa and is expressed in peroxisomes. Luciferase is considered a model for studying protein-anesthetic interactions. Firefly Luciferase is very useful in cell biology and molecular biology as a reporter of gene function and for the quantification of ATP.

Sequence:

Amino acid sequence of luciferase derived from *Photinus pyralis* (firefly) was expressed with 6×His tag at the N-terminus.

Protein length:

The recombinant Firefly Luciferase predicts a molecular mass of 62kDa.

Note:

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