

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

Luciferase, 1-550aa, Firefly, His tag, E.coli

产品货号: TP02857

第三版

别名: Luciferin 4-monooxygenase, LUC.

描述: Luciferase is a generic term for the class of oxidative enzymes used in bioluminescence and is distinct from a photoprotein. Luciferase catalyzes a bioluminescent reaction which requires the substrate luciferin as well as Mg<sup>2+</sup> and ATP, produces green light with a wavelength of 562 nm. Luciferase from firefly is widely used as a reporter for studying gene regulation and function, and for pharmaceutical screening.

配方: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol.

分子量: 62.9 kDa (571aa), confirmed by MALDI-TOF.

序列:

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MGSSHHHHHSSGLVPRGSHMMEDAKNIKGPAPFYPLEDGTAGEQLHKAMKRYALVPGTIAFTDAHIEVDITYAEYFE  
MSVRLAEAMKRYGLNTNHRIVVCSENSLQFFMPVLGALFIGVAVAPANDIYNERELLNSMGISQPTVVFVSKKGLQKILNV  
QKKLP IIQK III MDSKTDYQQFQSMYTFVTSHLPPGFNEYDFVPESFDRDKTIALIMNSSGSTGLPKGVALPHRTACVRFSHA  
RDP IFGNQ IIPDTAILS VVPFH HGF GMFTTLGYLICGFRVVL MYRFE EELFLRSLQDYKIQSALLVPTLFSFFAKSTLIDKYDLS  
NLHEIASGGAPLSKEVGEAVAKRFHLPGIRQGYGLTETTSAILITPEGDDKPGAVGKVPFFFEAKVVDLDTGKTLGVNQRG  
ELCVRGPMIMSGYVNNPEATNALIDKDGWLHSGDIAYWDEDEHFFIVDRLKSLIKYKGYQVAPAELESILLQHPNIFDAGV  
AGLPDDDAGELPAAVVVLEHGKTMTEKEIVDYVASQVTTAKKLRGGVVVFVDEVPKGLTGKLDARKIREILIKAKKGGKIA  
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纯度: > 95% by HPLC

浓度: 1 mg/ml (determined by Bradford assay).

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.