

Product Components List

NFκB DD Green Reporter System

| Catalog No. | Amount |
|-------------|--------|
| 631079 | Each |

Description

The NFκB DD Green Reporter System is designed to monitor NFκB activation in mammalian cells, with minimal background signal. It includes the pNFκB-DD-ZsGreen1 Reporter vector and Shield1.

pNFκB-DD-ZsGreen1 encodes a green fluorescent protein reporter tagged at its N-terminus with the ProteoTuner™ destabilization domain (DD), and under the control of the NFκB promoter. The DD causes the DD-ZsGreen1 reporter to be rapidly targeted to and degraded by proteasomes. This minimizes background signal from leaky promoters prior to promoter activation.

To monitor NFκB activity, a candidate inducer is added to the medium simultaneously with the DD's stabilizing ligand, Shield1. This allows DD-ZsGreen1 to accumulate in response to NFκB activation. As a result, only reporter molecules expressed during NFκB induction will contribute to the fluorescence signal. This system provides a considerably higher signal-to-noise ratio than can be obtained with non-destabilized or constitutively destabilized reporter systems.

Package Contents

- pNFκB-DD-ZsGreen1 Reporter (Cat. No. 631080; Not sold separately) >>[View Components](#)
- Shield1 (500 μl) (Cat. No. 632189) >>[View Components](#)

For storage conditions, please see the Certificate of Analysis supplied with each component.

Product Documents

Documents for our products are available for download at www.clontech.com/manuals

The following documents apply to this product:

- DD-Fluorescent Protein Reporter Systems Protocol-at-a-Glance (PT4088-2)
- pNFκB-DD-ZsGreen1 Reporter Vector Information Packet (PT5116-5)
- ProteoTuner Plasmid-Based Shield Systems User Manual

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This document has been reviewed and approved by the Quality Department.

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