

# Product Components List

## DD-tdTomato Reporter System

<b>Catalog No.</b>	<b>Amount</b>
632190	each

### Description

The DD-tdTomato Reporter System includes the pDD-tdTomato Reporter vector and Shield1. The pDD-tdTomato Reporter is a promoterless vector that allows you to insert your promoter of interest upstream of the red fluorescent protein tdTomato, tagged at its N-terminus with the ProteoTuner™ destabilization domain (DD). The DD causes the reporter protein to be rapidly targeted to and degraded by proteasomes. This very efficient and controllable destabilization method will minimize background fluorescence from leaky promoters prior to promoter activation.

To analyze promoter activity, a candidate inducer is added to the medium along with Shield1, which effectively stabilizes the reporter protein and allows it to accumulate. As a result, only the reporter molecules expressed during promoter induction will contribute to the fluorescence signal, providing a considerably higher signal-to-noise ratio than that obtained with non-destabilized or constitutively destabilized reporter systems.

### Package Contents

- pDD-tdTomato Reporter (Cat. No. 632193) (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](http://www.clontech.com/manuals)

The following documents apply to this product:

- ProteoTuner Plasmid-Based Shield Systems User Manual
- DD-Fluorescent Protein Reporter Systems Protocol-at-a-Glance (PT4088-2)

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

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