

TaqMan® Protein Assays Oligo Probe Kit Product Insert

Insert PN 4448556 Rev. A

Kit part number

Part number	Kit
4448549	TaqMan® Protein Assays Oligo Probe Kit

Components and storage conditions

Part number	Component	Quantity	Storage conditions
4448557	5' Prox-Oligo, 200 nM	1 × 50 µL	4 °C
4448564	3' Prox-Oligo, 200 nM	1 × 50 µL	

When stored as recommended, this product maintains performance at least until the expiration date on the product label.

Reagent characteristics

The TaqMan® Protein Assays Oligo Probe Kit contains the 5' and 3' Prox-Oligos required to prepare the assay probes for TaqMan® Protein Assays experiments:

- Prox-Oligos are 5' and 3' oligos conjugated to streptavidin and are supplied at a 200 nM concentration. Combine the 5' and 3' Prox-Oligos with user-supplied biotinylated antibodies to prepare the assay probes.
- You must use the TaqMan Protein Assays Oligo Probe Kit with the Antibody Dilution Buffer and Assay Probe Storage Buffer that are in the TaqMan® Protein Assays Buffer Kit (PN 4448571).

For more information on the TaqMan Protein Assays Oligo Probe Kit or the TaqMan Protein Assays chemistry, refer to the *TaqMan® Protein Assays Probe Development Protocol* (PN 4449282), the *TaqMan® Protein Assays and Sample Prep Protocol* (PN 4449283), and the *Real-Time PCR Systems TaqMan® Protein Assays Chemistry Guide* (PN 4405780).

Preparing assay probes using biotinylated antibodies

Prepare Antibody Dilution Buffer



Note:

The Antibody Dilution Buffer is provided in the TaqMan® Protein Assays Buffer Kit (PN 4448571).

1. Remove the Antibody Dilution Buffer from the freezer, then place the tube on ice and allow the solution to fully thaw.
2. Gently flick or invert the tube several times to mix the solution, then briefly centrifuge the tube.

3. In a reaction tube of sufficient volume, use the Antibody Dilution Buffer to dilute the biotinylated antibody to 200 nM (0.03 mg/mL).
4. Mix the solution gently by touch-vortex or by pipetting up and down 4 to 6 times, then spin the solution to the bottom of the tube.
5. Place the reaction tube on ice.

Prepare 5' and 3' Prox-Oligos

1. Remove the 5' and 3' Prox-Oligos from the refrigerator, gently flick or invert the tubes several times to mix the solutions, then briefly centrifuge the tubes.
2. Label two separate 1.5-mL reaction tubes: **Assay Probe A** and **Assay Probe B**.
3. To the Assay Probe A tube, add 5 µL of the diluted biotinylated antibody (200 nM) and 5 µL of the 3' Prox-Oligo (200 nM).
4. To the Assay Probe B tube, add 5 µL of the diluted biotinylated antibody (200 nM) and 5 µL of the 5' Prox-Oligo (200 nM).
5. Mix the solution gently by touch-vortex or by pipetting up and down 4 to 6 times, then spin the solutions to the bottom of the tubes.
6. Incubate the tubes at room temperature for 60 minutes.

Prepare Assay Probe Storage Buffer



Note:

The Assay Probe Storage Buffer is provided in the TaqMan® Protein Assays Buffer Kit (PN 4448571).

1. Remove the Assay Probe Storage Buffer from the freezer, then place the tube on ice for 5 minutes.
2. Gently flick or invert the tube several times to mix the solution, then briefly centrifuge the tube.
3. To the Assay Probe A tube, add 90 µL of the Assay Probe Storage Buffer.
4. To the Assay Probe B tube, add 90 µL of the Assay Probe Storage Buffer.
5. Mix both solutions gently by touch-vortex or by pipetting up and down 4 to 6 times, then spin the solutions to the bottom of the tubes.
6. Incubate the Assay Probes at room temperature for 20 minutes.
7. Store the tubes at –20 °C.

Safety information



IMPORTANT!

For safety and biohazard guidelines, refer to the “Safety” section in the *TaqMan® Protein Assays Probe Development Protocol* (PN 4449282) and the *TaqMan® Protein Assays and Sample Prep Protocol* (PN 4449283).

Obtaining SDSs

The Safety Data Sheet (SDS) for any chemical supplied by Applied Biosystems is available to you free 24 hours a day. To obtain SDSs:

1. Go to www.appliedbiosystems.com, click **Support**, then select **SDS**.
2. In the Keyword Search field, enter the chemical name, product name, SDS part number, or other information that appears in the SDS of interest. Select the language of your choice, then click **Search**.
3. Find the document of interest, right-click the document title, then select any of the following:
 - **Open** – To view the document
 - **Print Target** – To print the document
 - **Save Target As** – To download a PDF version of the document to a destination that you choose



Note:

For the SDSs of chemicals not distributed by Applied Biosystems, contact the chemical manufacturer.

For Research Use Only. Not intended for any animal or human therapeutic or diagnostic use.

NOTICE TO PURCHASER: PLEASE REFER TO TAQMAN® PROTEIN ASSAYS PROBE DEVELOPMENT PROTOCOL OR THE TAQMAN® PROTEIN ASSAYS AND SAMPLE PREP PROTOCOL FOR LIMITED LABEL LICENSE OR DISCLAIMER INFORMATION.

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Headquarters

850 Lincoln Centre Drive | Foster City, CA 94404 USA
Phone 650.638.5800 | Toll Free 800.345.5224
www.appliedbiosystems.com

International Sales

For our office locations please call the division headquarters or refer to our Web site at
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