

# TaqMan<sup>®</sup> RNase P Assays/TaqMan<sup>®</sup> GAPDH Assays

QSY<sup>™</sup> Quenched

**Catalog Numbers** 4485712, 4485713, 4485714, 4485715, A30064, and A30065

**Pub. No.** MAN0010239 **Rev.** B.0

**Note:** For safety and biohazard guidelines, see the “Safety” appendix in the *TaqMan<sup>®</sup> Multiplex PCR Optimization User Guide* (Pub. No. MAN0010189). Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves.

## Product description

TaqMan<sup>®</sup> RNase P Assays and TaqMan<sup>®</sup> GAPDH Assays are optimized to detect expression levels of RNase P and GAPDH, respectively. These reference assays are optimized for the human genome. They use QSY<sup>™</sup> as a quencher and ABY<sup>™</sup>, JUN<sup>™</sup> or VIC<sup>™</sup> as the 5' dye.

**Note:** JUN<sup>™</sup> and ROX<sup>™</sup> dyes cannot be used together because their emission spectra overlap.

See *TaqMan<sup>®</sup> Multiplex PCR Optimization User Guide* (Pub. No. MAN0010189) for more information.

TaqMan<sup>®</sup> Multiplex Master Mix (Cat. No. 4461881) is recommended.

## Contents and storage

All assays provide 250 reactions in a 20 µL reaction volume.

Thaw reagents completely before use.

Assay	Cat. No.	Contents	Storage
TaqMan <sup>®</sup> RNase P Assay, VIC <sup>™</sup> dye/QSY <sup>™</sup> probe, 20X	A30064	Two unlabeled primers at 18 µM (900 nM final concentration) each QSY <sup>™</sup> probe (VIC <sup>™</sup> dye labeled) at 5 µM (250 nM final concentration)	-25°C to -15°C Minimize freeze/thaw cycles.
TaqMan <sup>®</sup> RNase P Assay, VIC <sup>™</sup> dye/QSY <sup>™</sup> probe, primer-limited, 20X	A30065	Two unlabeled primers at 3 µM (150 nM final concentration) each QSY <sup>™</sup> probe (VIC <sup>™</sup> dye labeled) at 3 µM (150 nM final concentration)	
TaqMan <sup>®</sup> RNase P Assay, ABY <sup>™</sup> dye/QSY <sup>™</sup> probe, 20X	4485714	Two unlabeled primers at 18 µM (900 nM final concentration) each QSY <sup>™</sup> probe (ABY <sup>™</sup> dye labeled) at 5 µM (250 nM final concentration)	
TaqMan <sup>®</sup> RNase P Assay, ABY <sup>™</sup> dye/QSY <sup>™</sup> probe, primer-limited, 20X	4485715	Two unlabeled primers at 3 µM (150 nM final concentration) each QSY <sup>™</sup> probe (ABY <sup>™</sup> dye labeled) at 3 µM (150 nM final concentration)	
TaqMan <sup>®</sup> GAPDH Assay, JUN <sup>™</sup> dye/QSY <sup>™</sup> probe, 20X	4485712	Two unlabeled primers at 18 µM (900 nM final concentration) each QSY <sup>™</sup> probe (JUN <sup>™</sup> dye labeled) at 5 µM (250 nM final concentration)	
TaqMan <sup>®</sup> GAPDH Assay, JUN <sup>™</sup> dye/QSY <sup>™</sup> probe, primer-limited, 20X	4485713	Two unlabeled primers at 3 µM (150 nM final concentration) each QSY <sup>™</sup> probe (JUN <sup>™</sup> dye labeled) at 3 µM (150 nM final concentration)	



The information in this guide is subject to change without notice.

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**Revision history:** Revision history of Pub. No. MAN0010239

Revision	Date	Description
B.0	4 May 2018	<ul style="list-style-type: none"><li>• Updated storage temperatures to match product labels.</li><li>• Included final concentrations of primers and probes.</li><li>• Added assays.</li><li>• Updated for general style, formatting, and branding.</li></ul>
A.0	7 April 2014	New document

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