TaqMan® RNase P Assays/TaqMan® GAPDH Assays

QSY™ 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® 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® RNase P Assays and TaqMan® 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™ as a quencher and ABY™, JUN™ or VIC™ as the 5′ dye.

Note: JUN™ and ROX™ dyes cannot be used together because their emission spectra overlap.

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

TaqMan® 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® RNase P Assay, VIC™ dye/QSY™ probe, 20X	A30064	Two unlabeled primers at 18 uM (900 nM final concentration) each QSY™ probe (VIC™ dye labeled) at 5 uM (250 nM final concentration)	-25°C to -15°C Minimize freeze/thaw cycles.
TaqMan® RNase P Assay, VIC™ dye/QSY™ probe, primer-limited, 20X	A30065	Two unlabeled primers at 3 uM (150 nM final concentration) each QSY™ probe (VIC™ dye labeled) at 3 uM (150 nM final concentration)	
TaqMan® RNase P Assay, ABY™ dye/QSY™ probe, 20X	4485714	Two unlabeled primers at 18 uM (900 nM final concentration) each QSY™ probe (ABY™ dye labeled) at 5 uM (250 nM final concentration)	
TaqMan® RNase P Assay, ABY™ dye/QSY™ probe, primer-limited, 20X	4485715	Two unlabeled primers at 3 uM (150 nM final concentration) each QSY™ probe (ABY™ dye labeled) at 3 uM (150 nM final concentration)	
TaqMan® GAPDH Assay, JUN™ dye/QSY™ probe, 20X	4485712	Two unlabeled primers at 18 uM (900 nM final concentration) each QSY™ probe (JUN™ dye labeled) at 5 uM (250 nM final concentration)	
TaqMan® GAPDH Assay, JUN™ dye/QSY™ probe, primer-limited, 20X	4485713	Two unlabeled primers at 3 uM (150 nM final concentration) each QSY™ probe (JUN™ dye labeled) at 3 uM (150 nM final concentration)	

Manufacturer: Life Technologies Corporation | 6055 Sunol Blvd | Pleasanton, CA 94566

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

Revision history: Revision history of Pub. No. MAN0010239

Revision	Date	Description
B.0	4 May 2018	• Updated storage temperatures to match product labels. • Included final concentrations of primers and probes. • Added assays. • Updated for general style, formatting, and branding.
A.0	7 April 2014	New document