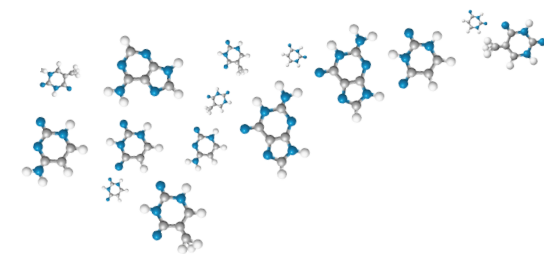


Single Assay Probe

Order #: qA-01-0101P5 to qA-03-0136P5



Single Assay Probe

Order #: qA-01-0101P5 to qA-03-0136P5



Background

For accurate gene expression measurements it is necessary to normalize results of the expression of target genes to a reference that is not affected by the parameters studied in the specific study. There exists to our knowledge no reference gene that is unaffected in all conditions. Therefore it is necessary to find the optimal reference gene for your conditions and to validate that this gene is indeed non-regulated.

After a screening for suitable reference genes by using the TATAA Reference Gene Panel, single assays from the panels can be purchased separately.

Content

- Primer solution for 500 rxn (500 µl of primer mix, c = 10 µM per primer)
- Probe solution for 500 rxn (250 µl of probe mix, c = 10 µM per probe)

Background

For accurate gene expression measurements it is necessary to normalize results of the expression of target genes to a reference that is not affected by the parameters studied in the specific study. There exists to our knowledge no reference gene that is unaffected in all conditions. Therefore it is necessary to find the optimal reference gene for your conditions and to validate that this gene is indeed non-regulated.

After a screening for suitable reference genes by using the TATAA Reference Gene Panel, single assays from the panels can be purchased separately.

Content

- Primer solution for 500 rxn (500 µl of primer mix, c = 10 µM per primer)
- Probe solution for 500 rxn (250 µl of probe mix, c = 10 µM per probe)

Storage

The assay can be stored at +4°C for up to 1 month. For long term storage -20°C is recommended. Use within 12 months from arrival. Repeated freeze-thaw cycles should be avoided. Vortex thoroughly and spin down before use.

Instructions for use

The TATAA Reference Gene Panel Single Assay is intended to be used as an endogenous control assay in qPCR for normalisation of differences in quality and amount of RNA between samples. It is highly recommended to screen the sample set for suitable reference genes by using a TATAA Reference Gene Panel before using a TATAA Reference Gene Panel Single Assay. For more information please visit: <http://www.tataa.com>.

Storage

The assay can be stored at +4°C for up to 1 month. For long term storage -20°C is recommended. Use within 12 months from arrival. Repeated freeze-thaw cycles should be avoided. Vortex thoroughly and spin down before use.

Instructions for use

The TATAA Reference Gene Panel Single Assay is intended to be used as an endogenous control assay in qPCR for normalisation of differences in quality and amount of RNA between samples. It is highly recommended to screen the sample set for suitable reference genes by using a TATAA Reference Gene Panel before using a TATAA Reference Gene Panel Single Assay. For more information please visit: <http://www.tataa.com>.

Cycling Protocol

UNG step (optional)	According to mix instructions
Enzyme activation	According to mix instructions
Cycling	According to mix instructions Annealing temperature: ~60°C

Pipetting protocol

Component	1 rxn	1 rxn	1 rxn
PCR-Grade water	3.4 µl	6.8 µl	9 µl
Primer mix	0.4 µl	0.8 µl	1.0 µl
Probe mix	0.2 µl	0.4 µl	0.5 µl
Master mix (2X)	5.0 µl	10.0 µl	12.5 µl
cDNA	1.0 µl	2.0 µl	2.0 µl
Final Volume	10 µl	20 µl	25 µl

TATAA Biocenter AB

Odinsgatan 28, 41103 Göteborg, Sweden
Phone: +46 31 761 57 00, Fax: +46 31 152890,
info@tataa.com www.tataa.com

Cycling Protocol

UNG step (optional)	According to mix instructions
Enzyme activation	According to mix instructions
Cycling	According to mix instructions Annealing temperature: ~60°C

Pipetting protocol

Component	1 rxn	1 rxn	1 rxn
PCR-Grade water	3.4 µl	6.8 µl	9 µl
Primer mix	0.4 µl	0.8 µl	1.0 µl
Probe mix	0.2 µl	0.4 µl	0.5 µl
Master mix (2X)	5.0 µl	10.0 µl	12.5 µl
cDNA	1.0 µl	2.0 µl	2.0 µl
Final Volume	10 µl	20 µl	25 µl

TATAA Biocenter AB

Odinsgatan 28, 41103 Göteborg, Sweden
Phone: +46 31 761 57 00, Fax: +46 31 152890,
info@tataa.com www.tataa.com

