

# Gene Expression Quantitative Kits

## DESCRIPTION

Small interfering RNA (siRNA) is a short double strand RNA, which hybridizes to the target RNA and directs target degradation by enzymatic cleavage. Vicgene provides siRNA products targeting hundreds of different genes. To quantitatively analyze gene silencing efficiency, Vicgene also provides gene expression quantitative kits to the corresponding siRNA products. In the assay, FAM labeled probes hybridize to the amplicon between the forward and reverse primers and are cleaved by Tag DNA polymerase during the extension step. Cleavage of the probes separates the FAM dye from the quencher generating a fluorescent signal proportional to the number of amplicons produced.

## PPRODUTS

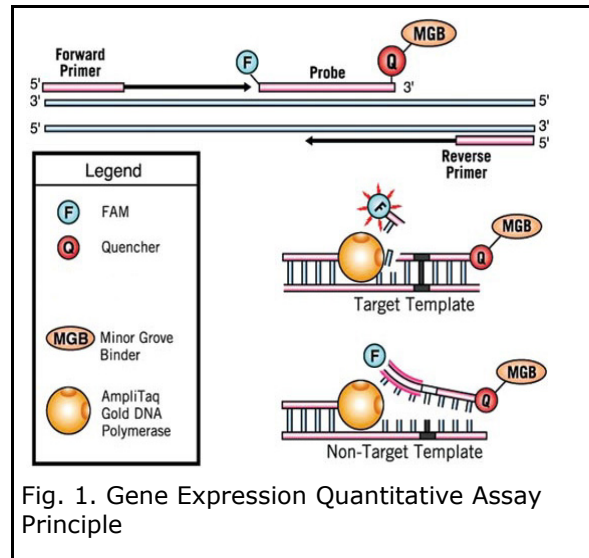
Gene Expression Quantitative Kits are TagMan based assays. Each kit is sufficient for 250 reactions at a 20µL reaction volume.

## STORAGE

Store at -20° C; stable for six months from the date of shipment.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.



## BPROTOCOL

### 1. PCR Reaction

Master Mix	10 µl
Assay Mix	1 µl
cDNA	9 µl
<hr/> Total	<hr/> 20 µl

### 2. Thermal Cycle Conditions

Initial Setup	95°C	10 min
Each of 40 Cycles		
Denature	95°C	15 sec
Anneal/Extend	60°C	1 min