

# How to search and order predesigned TaqMan Real-Time PCR Gene Expression Assays

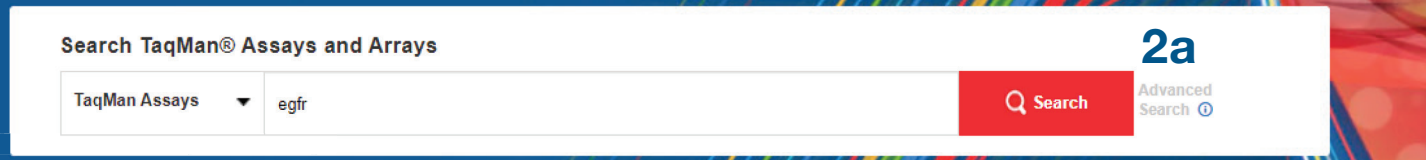
**1** Go to [thermofisher.com/taqman](https://thermofisher.com/taqman) to start searching for the right Applied Biosystems™ TaqMan® Assay.

**2** Search using keywords (e.g., gene symbol, RefSeq number, assay ID, gene name, disease, pathway).  
**2a.** If needed, activate the Advanced Search link by selecting an assay type (e.g., Gene Expression) from the TaqMan Assays dropdown menu, located to the left of the search bar.

## TaqMan Real-time PCR Assays

Applied Biosystems TaqMan real-time PCR assays consist of target-specific primers and one or more probes optimized for specific types of applications, including gene expression, SNP genotyping, miRNA, and copy number variation analysis.

### Search Applied Biosystems TaqMan Assays



**3** Search will display available TaqMan Assay product categories:

- Gene expression
- Gene expression arrays
- SNP genotyping
- Copy number variation (CNV)
- Mutation detection
- miRNA

**3a** Click on Gene Expression assays

Your search for "EGFR" returned 3,337 TaqMan® Assays & Arrays

### EGFR TaqMan® Assays

EGFR | epidermal growth factor receptor

The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand ([More...](#))

<b>Gene Expression</b> 321 Gene Expression assays 455 Gene Expression arrays	<b>SNP Genotyping</b> 2,030 SNP Genotyping assays	<b>Copy Number</b> 439 Copy Number assays	<b>Mutation Detection</b> 28 Digital PCR assays 64 castPCR assays
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**4** Use the dropdown filters to narrow your results by:

- Assay attributes
  - Best coverage (see 5a, next page)
  - Inventoried (premade for fastest turnaround time)
- Species
- Gene

- Assay design—choices include:
  - Probe spans exons (assay will only detect mRNA)
  - Single exon (assay will detect both mRNA and gDNA)
- Cross reactivity
  - Click on (?) for more information

## 5 Scroll down to determine the best assay for your target

**5a** Best coverage: Assays designated as best coverage will detect the most possible RefSeq transcripts for a gene. If several assays are tied for detecting the most RefSeq transcripts, the best coverage designation will go to the one with the shortest amplicon.

**5b** Click on “View Details” or “View Assay Map” for more information on transcripts and assay location.

**5c** View citations in which this assay was used. The assay with the highest number of citations for a gene is designated Most Citations.

## 6 Select “Dye”

FAM-MGB is the most common selection.

VIC-MGB or VIC-MGB\_PL (primer limited) are available to facilitate multiplexing. (See multiplex information for TaqMan Assays at the Real-Time PCR (qPCR) Learning Center at thermofisher.com)

## 7 Select “Size”

Availability and catalog number will automatically update

## 8 Optional

Related arrays

List of real-time PCR panels that contain the selected assay

**5a** → Best coverage

**5b** → View Details

**5c** → 98 / 100 Bio Stars Citations: 8 Images: 6

**6** → Dye: FAM-MGB

**7** → Size: S: 250 rxns

**8** → Check your price

**9** → Add to cart

## 9 Click on the “Add to cart” button

### If you are placing the order yourself:

Click on the “Add to cart” button, and proceed to checkout.

### If someone else will be placing the order:

Two pieces of information are required to order:

#### 1 Catalog number

The catalog number (Cat. No.) only defines configuration (e.g., assay type, size, dye) and does not define the primer/probe sequences.

#### 2 Assay ID

The assay ID is a unique alphanumeric string that identifies the specific primer and probe set.

Find out more at [thermofisher.com/taqman](https://thermofisher.com/taqman)

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