



Product Specification

Universal mRNA amplification, sense strand amplification, anti-sense amplification, cDNA synthesis, microarrays, gene expression, human, mouse, rat, guinea pig, cloning

Omni-mRNA™ pooled reference mRNA

Human, Mouse, Rat and Guinea Pig available
25 µg Supplied. Sufficient for direct hybridization of 20 microarrays
Immediately upon receipt store at -70 °C

For research use only. Not for use in diagnostic procedures for clinical purposes.

Innovative products from Gene Link for genome-wide analysis

Reference control pooled mRNA for reproducible comparative gene expression study

Human Omni-mRNA™
Cat No. 08-0100-25

Mouse Omni-mRNA™
Cat No. 08-0200-25

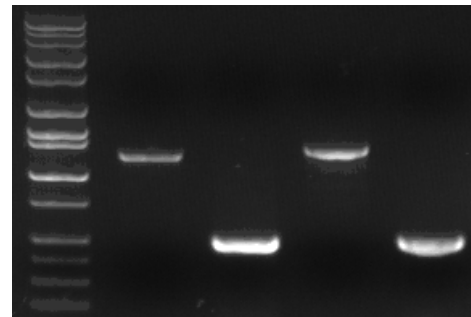
Rat Omni-mRNA™
Cat No. 08-0300-25

Guinea Pig Omni-mRNA™
Cat No. 08-2100-25

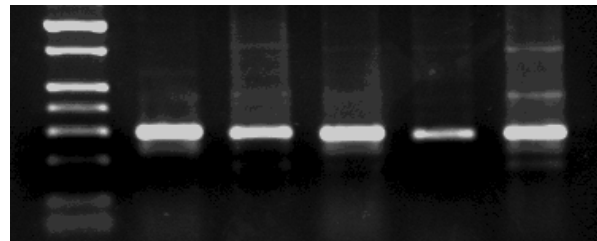
Gene Link introduces *Omni-mRNA™* pooled reference mRNA. Commercially available for the first time, *Omni-mRNA™* is a unique blend of amplified high-quality mRNA purified from various tissues. Using the same reference mRNA in different microarray experiments provides a common denominator for accurate and reproducible comparison of gene expression data. In addition, use of the same reference mRNA among different research groups allows inter-laboratory comparisons as well. Gene Link recommends using pooled reference mRNA as a reference sample in any multicolor hybridization experiment using cDNA or oligonucleotide microarrays.

Omni-mRNA™ pooled reference mRNA are compatible with all commercially available labeling systems. Other applications of pooled reference mRNA include RNA ELISA, Quantigene, HPSA, and a number of other RNA amplification/detection systems.

Omni-mRNA™ pooled reference mRNA size distribution is from ~5kb to 200bp. These can also be used for cloning mRNA of interest by RT-PCR. A 1.3 kb and a ~500bp amplified cDNA fragment of p53 is shown in the figure.



p53 cDNA amplification from human *Omni-mRNA™* pooled reference mRNA. Lane 1, molecular weight markers; lanes 2 and 4, ~1.3kb 5' end fragment of p53; lane 3 and 5, ~500 bp of middle portion of p53. Lanes 2-3 and 4-5 represent reproducible different preparations.



Guinea Pig β -actin amplification. An amplified fragment of 289 bp. Lane 1 is molecular weight markers. Lanes 2-6 are β -actin control PCR product from brain, liver, intestine, skeletal muscle and spleen first strand cDNA.

Ordering Information

Omni-mRNA™ amplified pooled reference mRNA

Quantity supplied of 25 µg is sufficient for direct hybridization of 20 microarrays

| Product | Catalog No. | Size | Price \$ |
|---|-------------|------|----------|
| Human Omni-mRNA™ amplified pooled reference mRNA | 08-0100-25 | 25µg | 495.00 |
| Mouse Omni-mRNA™ amplified pooled reference mRNA | 08-0200-25 | 25µg | 495.00 |
| Rat Omni-mRNA™ amplified pooled reference mRNA | 08-0300-25 | 25µg | 495.00 |
| Guinea Pig Omni-mRNA™ amplified pooled reference mRNA | 08-2100-25 | 25µg | 495.00 |

Related Products Pooled first strand cDNA

Omni-cDNA™ First Strand cDNA

| Product | Catalog No. | Size | Price \$ |
|--|-------------|------|----------|
| Omni-cDNA™ Human first strand pooled cDNA | 10-0100-05 | 5µg | 425.00 |
| Omni-cDNA™ Mouse first strand pooled cDNA | 10-0200-05 | 5µg | 425.00 |
| Omni-cDNA™ Rat first strand pooled cDNA | 10-0300-05 | 5µg | 425.00 |
| Omni-cDNA™ Guinea Pig first strand pooled cDNA | 10-2100-05 | 5µg | 425.00 |

Please inquire about custom cDNA synthesis

RT-PCRmer™ Primer pairs for specific amplification of gene, cDNA and chromosomal sequences

RT-PCRmer™

| Product | Catalog No. | Size | Price, \$ |
|--|-------------|-----------|-----------|
| β-actin, human | 40-1001-10 | 10 nmoles | 100.00 |
| β-actin, rat | 40-1002-10 | 10 nmoles | 100.00 |
| β-actin, mouse | 40-1003-10 | 10 nmoles | 100.00 |
| β2-microglobulin | 40-1004-10 | 10 nmoles | 100.00 |
| G3PDH (Glyceraldehyde 3-phosphate dehydrogenase, G3PDH, GAPDH) | 40-1005-10 | 10 nmoles | 100.00 |

OligoProber™

OligoProber™ are specific oligonucleotide probes for hybridization to its cognate species. These are specially suited for use in conjunction with RT-PCRmers™, as the complementary sequence lies in the amplified sequence. The OligoProber™ can also be used for all northern blots.

OligoProber™

| Product | Size | Catalog No. | Price, \$ |
|--|----------|-------------|-----------|
| β-actin, human, rat and mouse available | 2 nmoles | 40-110X-02 | 55.00 |
| β2-microglobulin | 2 nmoles | 40-1104-02 | 55.00 |
| G3PDH (Glyceraldehyde 3-phosphate dehydrogenase) h/m/r | 2 nmoles | 40-1105-02 | 55.00 |

Please inquire about other OligoProber™ not listed here

**The polymerase chain reaction (PCR) process is covered by patents owned by Hoffmann-La Roche. A license to perform is automatically granted by the use of authorized reagents. Prices subject to change without notice. All Gene Link products are for research use only. Not for resale. Contact Gene Link for licensing terms.