



## Product Specification

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

### Omni-mRNA™ Guinea Pig *pooled reference mRNA*

25 µg supplied. Sufficient for direct hybridization of 20 microarrays  
Immediately upon receipt store at -70 °C

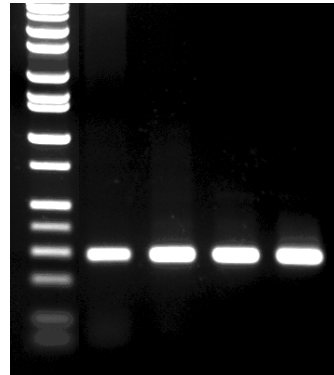
For research use only. Not for use in diagnostic procedures for clinical purposes.

**Product:** Guinea Pig Omni-mRNA™ *pooled reference mRNA*  
**Catalog No.:** 08-2100-25  
**Quantity:** 25 µg  
**Concentration:** 500 ng/µl in sterile water  
**Shipping:** Ambient  
**Storage:** -70°C. Avoid multiple freeze thaws  
**Lot No.:** 330d

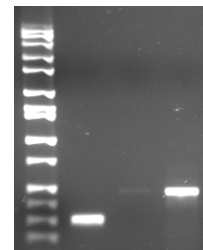
Omni-mRNA™ pooled reference mRNA from guinea pig is prepared from pooling individually extracted mRNA from different tissues. These are not from cultured cell lines. The various tissues vary, but are representative of different organs and tissue types. These include lung, heart, brain, spleen, skeletal muscle, smooth muscle, ovaries, pancreas, liver and kidney. There is lot to lot variation but an overall representation of tissue type is maintained. The pooled mRNA and total RNA is amplified by using Gene Link Omni-Array™ mRNA amplification kit. *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.



RT-PCR results of Omni-mRNA™ from human, mouse, rat and guinea pig. β-actin amplified fragment of 289 bp. Lane 1 is molecular weight markers. Lanes 2-5 are β-actin control PCR product from guinea pig, human, mouse and rat pooled first strand cDNA™.



RT-PCR results of lot#330e amplified guinea pig pooled reference mRNA. Lane 1, beta actin 289 bp; lane 2, GAPDH 475 bp and beta actin 461 bp fragments.

## 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

### 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	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,	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	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.**