



FOR IMMEDIATE RELEASE

OriGene Adds Protein Kinase CloneSet™ to TrueClone™ Collection

Rockville, MD. November 4, 2003 – OriGene Technologies Inc today announced the addition of the Kinase CloneSet™, a designated subset of over 500 full-length kinase cDNA clones, to their TrueClone™ Collection product line. The Kinase CloneSet approaches the predicted 518 putative genes in the “Kinome” (Manning, G. et al., Science 298:1912, 2002) and represents the largest commercial source of full-length human kinase genes.

OriGene’s TrueClone Collection of 20,000 full-length human cDNAs includes over 75% of the NM sequences in the NCBI RefSeq database and covers 65-80% of the predicted human cDNA repertoire. All clones match annotated mRNA reference sequences found in the public domains. Additional cDNA clones from OriGene’s 800,000 in-house gene bank will be added to the TrueClone Collection and commercially released as sequences are published.

“Not only does OriGene offer the most comprehensive commercial collection of human cDNAs, it also provides the most complete sets of gene families of important functional groups,” commented Zairen Sun PhD, Senior Director of Research and Development. “These CloneSets will greatly benefit researchers by providing the tools necessary to focus specifically on target gene families for high throughput screening. The nearly complete Kinase CloneSet is the first example of our efforts in this direction. With its comprehensive libraries and Rapid-Screen™ technologies, OriGene’s efforts to expand, and eventually complete, the collection will steadily continue.”

Protein kinase genes are known to play key roles in cellular processes including cell division, signal transduction, apoptosis and cell mobility. Because dysfunction of kinase genes results in a variety of diseases, such as cancer, diabetes and heart disease, this family of genes has captured academic and pharmaceutical research interest.

About OriGene Technologies

OriGene Technologies is a research tool provider for functional gene discovery that utilizes high-throughput gene cloning and gene expression profiling to develop commercially available products for pharmaceutical, biotechnology, and academic research and discovery applications. Committed to this mission since 1996, OriGene has created the TrueClone™ Collection – a searchable gene bank of 20,000 human full-length cDNA clones suitable for transfection and direct *in vitro* expression. Additional products and services include Blue-Ribbon™ Gene Expression Reagents for RNA and functional gene analysis and Rapid-Screen™ Tools for cDNA screening and full-length gene isolation. More information about OriGene Technologies and their products can be found at the company’s web site at <http://www.origene.com>.

For additional information regarding this announcement, please contact:

Karl Kovacs PhD
Senior Director of Operations
Phone: 240-620-0238
Email: kkovacs@origene.com