



OriGene Technologies launches over 5,000 heavy isotope labeled full-length human proteins as quantitative internal standards for SRM/MRM Mass spectrometry

Rockville, MD – June 3, 2010 – OriGene Technologies, Inc., a leading gene-centric life sciences company, has announced the first of its kind launch of over 5,000 heavy isotope labeled human proteins as internal standards for SRM/MRM (single reaction monitoring, multiple reaction monitoring) mass spectrometry analyses. The announcement was made at the 2010 American Society for Mass Spectrometry conference in Salt Lake City, Utah.

Mass spectrometry, especially MRM, has emerged as a new platform for quantitative characterization of multiple proteins, thus making it an ideal choice for high throughput proteomics and clinical biomarker research. A critical bottleneck in SRM/MRM application is the lack of quantitative internal standards for all protein targets. With the newly released 5,000 heavy isotope labeled protein standards, researchers can simply mix the standards with their samples and perform protein quantification without the need of expensive and time-consuming peptide synthesis. Compared to heavy labeled AQUA peptides, heavy labeled full-length proteins can be spiked at earlier stage of sample preparation and would allow more accurate targeted protein quantitation over complete analysis process, from sample extraction, fractionation, HPLC, and MS analysis. In addition to the initial 5,000 labeled human full-length protein standards, OriGene plans to add to its mass spectrometry offering of custom protein labeling, labeled transfected lysates, and eventually labeled peptide standards for all human proteins.

About OriGene Technologies

OriGene Technologies, Inc., is a gene centric life sciences company dedicated to support academic, pharmaceutical and biotech companies in their research of gene functions and drug discovery. OriGene develops proteins, antibodies, and other molecular tools to allow researchers to analyze their data on a multiplex level. OriGene's novel product line includes the world's largest cDNA and shRNA clone collections, over 5,000 purified human proteins, high quality monoclonal antibodies (TrueMAB™), 100,000 highly validated human tissues, and protein microarray products and services. OriGene also provides a broad range of antibody validation products including genome-wide tagged antigen standards and extensive IHC slides derived from our tissue collection. For more information, visit www.origene.com.

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