

Transcriptome Sequencing



Connect the Genome to the Gene Function

The transcriptome comprises all RNAs present in a specific cell or tissue type at a distinct time. Their presence and abundance correspond to the current metabolic state of the cells and are affected by external and internal changes. Transcriptome sequencing is a powerful method to detect and quantify RNA molecules.

Application areas and objectives for transcriptome sequencing are diverse and include

- ✗ the analysis of differential gene expression levels, and
- ✗ the detection of alternative splicing and previously unknown transcripts.

We offer various Transcriptome Sequencing products that provide reliable and accurate insights into the RNA present in a specific cell or tissue type at a distinct time.



Explore Our Product Portfolio for Transcriptome Sequencing

	CTS Classic	WTS Classic	WTS Classic Deep	TS Flex
Species	Eukaryotes	Human, mouse, rat		Eukaryotes (among them plants and fungi), prokaryotes
RNA quality & input	RIN > 8	Various quality Low input option		Depends on chosen protocol
RNA target	mRNA	total RNA		mRNA, total RNA
Sequencing platform	Illumina			
Output	6 Gb (30 million clusters)	6 Gb (30 million clusters)	10 Gb (50 million clusters)	Flexible
Included deliverables	Project report & FASTQ files			

CTS: Coding Transcriptome, WTS: Whole Transcriptome Sequencing, TS: Transcriptome Sequencing

Want to Discover More?
We invite you to take a look at our website.
www.cebga.com/transcriptome-sequencing





About Us

CeGaT was founded in 2009 in Tübingen, Germany. Our scientists are specialized in next-generation sequencing (NGS) for genetic diagnostics, and we also provide a variety of sequencing services for research purposes and pharma solutions. Our sequencing service portfolio is complemented by analyses suited for microbiome, immunology, and translational oncology studies.

Our dedicated project management team of scientists and bio-informaticians works closely with you to develop the best strategy to realize your project. Depending on its scope, we select the most suitable library preparation and conditions on our sequencing platforms.

**We would be pleased to provide you with our excellent service.
Contact us today to start planning your next project.**



Accredited by DAKKS according to
DIN EN ISO/IEC 17025:2018



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