

# BioVendor new products

October, 2019:

Dear customer, we would like to introduce our new products and hope you will find them interesting. Below is a list of events in which we plan to participate in 2019:

**MEDICA 2019** (18 \ 11 \ 2019 - 21 \ 11 \ 2019 - Düsseldorf)

## miRNA

### NEW miREIA KITS

CAT. NO.	STATUS	NAME	ASSAY FORMAT
<a href="#">RDM0031H</a>	New	hsa-miR-129-5p miREIA	miREIA - miRNA enzyme immunoassay
<a href="#">RDM0032H</a>	New	hsa-miR-324-5p miREIA	miREIA - miRNA enzyme immunoassay
<a href="#">RDM0033H</a>	New	hsa-miR-423-5p miREIA	miREIA - miRNA enzyme immunoassay
<a href="#">RDM0006H</a>	New	hsa-miR-451a miREIA	miREIA - miRNA enzyme immunoassay

### miREIA - miRNA Enzyme Immunoassay

#### » FEATURED PRODUCT: hsa-miR-324-5p miREIA

**miR-324-5p** exhibits diverse functions in different types of **cancer**, as well as in **cardiovascular disease** and **osteogenesis**.

#### Oncology

- upregulated in **colon cancer** and downregulated in **hepatocellular carcinoma, osteosarcoma, and bladder cancer**
- tumor suppressor in **medulloblastoma**
- expression decreased in del(17p) **multiple myeloma (MM)** and potentiated the anti-MM efficacy of bortezomib
- significantly upregulated in **lung cancer** cells where miR-324-5p promoted the proliferation and accelerated the invasion of lung cancer cells

#### Cardiovascular disease

- identified among circulating microRNAs candidate markers to distinguish heart failure in breathless patients
- a potential therapeutic target for myocardial infarction. MiR-324-5p inhibits mitochondrial fission, apoptosis, and myocardial infarction through downregulating Mtf1
- protects against oxidative stress-induced endothelial progenitor cells (EPCs) injury by regulating Mtf1 after myocardial infarction

#### Osteogenesis

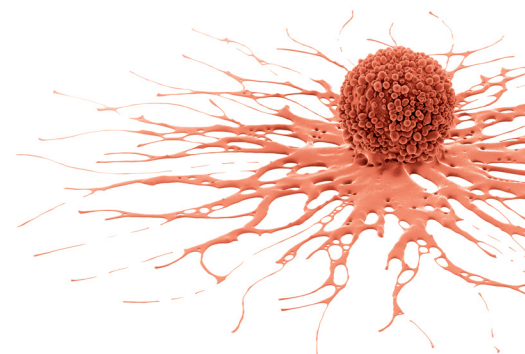
- regulates osteogenesis in human mesenchymal stem cells (MSCs) and in mouse C3H10T1/2 cells
- increased expression of miR-324-5p in osteoarthritis cartilage

For these and more BioVendor miREIA kits, please visit [www.biovendor.com/mirna](http://www.biovendor.com/mirna).

microRNAs (miRNAs) are a class of single-stranded non-coding RNA molecules with a length of 19-23 nucleotides. They play a role in negative post-transcriptional regulation by binding to complementary sequences on mRNA and blocking translation into protein.

**miREIA** is a BioVendor proprietary method based on the combination of immunoassay and molecular biological principles. The main advantage is the **quantitative determination of miRNA** concentrations.

See more about [hsa-miR-324-5p miREIA](#)



NEW PROTEINS

CAT. NO.	STATUS		NAME	SIZE	SOURCE
<a href="#">RD172594100</a>	New	Human	Chromogranin A	0.1 mg	HEK293
<a href="#">RD272589025</a>	New	Mouse	Connective Tissue Growth Factor	0.025 mg	HEK293
<a href="#">RD272589100</a>	New	Mouse	Connective Tissue Growth Factor	0.1 mg	HEK293
<a href="#">RD176035025</a>	New	Human	Connective Tissue Growth Factor, Tag Free	0.025 mg	HEK293
<a href="#">RD172234100</a>	New	Human	Corticosteroid-Binding Globulin	0.1 mg	HEK293
<a href="#">RD172591100</a>	New	Human	CTGF C-Terminus	0.1 mg	<i>E. coli</i>
<a href="#">RD172593100</a>	New	Human	CTGF, TSP Type-1 Domain	0.1 mg	<i>E. coli</i>

» FEATURED PRODUCT: CONNECTIVE TISSUE GROWTH FACTOR HUMAN HEK293, TAG FREE

Connective tissue growth factor (CTGF or CCN2) is a matricellular protein belonging to the CCN family of extracellular matrix-associated heparin-binding proteins. CTGF is associated with many biological processes such as **angiogenesis**, **chondrogenesis**, **osteogenesis**, and **tissue repair or proliferation**. High CTGF expression is mainly associated with pathological conditions. It is critically involved in **fibrotic diseases** and several forms of **cancer**. Additionally, increased CTGF levels have been observed with many types of diseases, such as **diabetic nephropathy** and **retinopathy**, **arthritis**, **asthma**, and **cardiovascular diseases**.

Increased CTGF expression in a variety of conditions suggests great potential as a biomarker of a relevant disease, especially when measured in combination with organ-specific biomarkers.

BioVendor Human Connective Tissue Growth Factor is a tag-free recombinant protein expressed in HEK293 cells. Total 323 AA, MW: 35.5 kDa (calculated). UniProtKB acc. no. P29279 (Gln27-Ala349). Protein identity confirmed by LC-MS/MS. Endotoxin < 0.1 EU/µg. Formulation: Filtered (0.4 µm) and lyophilized from 0.5 mg/mL solution in 0.1M sodium phosphate, 5%(w/v) trehalose, pH 7.2.

See more about [CONNECTIVE TISSUE GROWTH FACTOR HUMAN HEK293, TAG FREE](#)

RELATED PRODUCTS

- [RD191035200R](#) Connective Tissue Growth Factor Human ELISA
- [RD172035100](#) Connective Tissue Growth Factor Human *E. coli*
- [RD172035100-HEK](#) Connective Tissue Growth Factor Human HEK293
- [RD272589100](#) Connective Tissue Growth Factor Mouse HEK293
- [RD172591100](#) CTGF C-terminus Human *E. coli*
- [RD172593100](#) CTGF, TSP Type-1 Domain Human *E. coli*