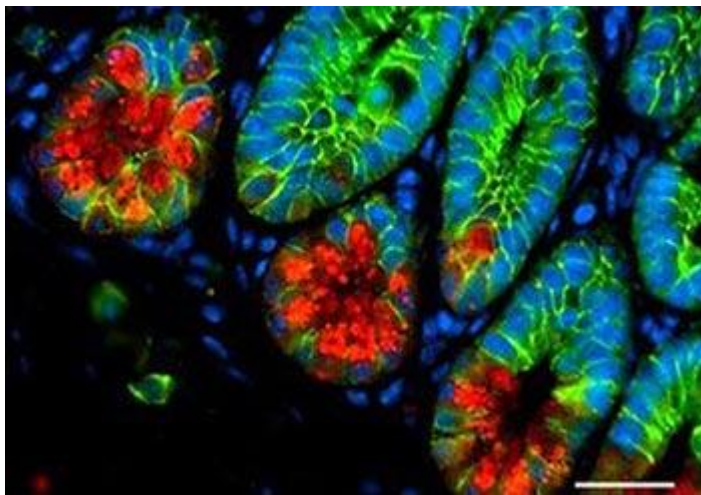


### Tailor made transduction-ready viral particles

**AMSBIO** offers a **production service** for high quality custom **transduction-ready viral particles** designed to support your research and save you valuable time.

### Drawing upon extensive knowledge in research

areas including Adeno Associated Virus, Adenovirus, Herpes Simplex Virus, Lentivirus, MMLV Retrovirus and more - AMSBIO viral services include the design and construction of the vectors, ultimately providing you with high quality viral particles that you can rely on.



**Image captions:** A: Paneth cells stained in the small intestinal mucosa from treated mice (courtesy: Professor JY Wang, Cell Biology Group, University of Maryland) ;

### **Maja Petkovic,**

AMSBIO business unit manager commented “Recently we supplied a custom lentiviral vector to Professor Jian-Ying Wang and his team of researchers from the Cell Biology Group at the University of Maryland School of Medicine (USA). Professor Wang’s research group are particularly interested in vtRNA2-1. This gene’s expression is influenced by promoter methylation and is linked to a range of pathologies. In their research they demonstrated that vtRNA expression in the intestinal mucosa changes significantly under stress conditions, particularly in patients with inflammatory bowel disease (IBD). This pioneering research has revealed vtRNA2-1 as a potential therapeutic target to protect intestinal epithelium function, particularly in the context of patients suffering IBD”.



**Image captions:** B: AMSBIO provides simple, ready-to-use viral particles that can be directly added to cells.

**AMSBIO offer a comprehensive range of custom services**

for producing a wide range of viral vectors. Whether your research requires precision, efficiency, or versatility, AMSBIO's wide selection of expression vectors is backed with the necessary expertise and experience to help enable your next breakthrough.

**For further information on the vtRNA2-1 research**

being carried out by the Wang group at the University of Maryland please visit [www.amsbio.com/blogs/decoding-small-noncoding-rnas/](http://www.amsbio.com/blogs/decoding-small-noncoding-rnas/). Detailed information on the custom viral production services offered by AMSBIO can be found at <https://www.amsbio.com/custom-services/lentivirus-aav-more> or contact the company on +31-72-8080244 / +44-1235-828200 / +1-617-945-5033 / [info@amsbio.com](mailto:info@amsbio.com).

**AMS Biotechnology (AMSBIO)**

Founded in 1987, AMS Biotechnology (AMSBIO) is recognized today as a leading transatlantic company contributing to the acceleration of discovery through the provision of cutting-edge life science technology, products, and services for R&D in the medical, nutrition, cosmetics, and energy industries. AMSBIO has in-depth expertise in extracellular matrices to provide elegant solutions for studying cell motility, migration, invasion, and proliferation. This expertise in cell culture and the ECM allows AMSBIO to partner with clients in tailoring cell systems to enhance organoid and spheroid screening outcomes using a variety of 3D culture systems, including organ-on-a-chip microfluidics. For drug discovery research, AMSBIO offers assays, recombinant proteins, and cell lines. Drawing upon a huge and comprehensive biorepository, AMSBIO is widely recognized as a leading provider of high-quality tissue specimens (including custom procurement) from both human and animal tissues. The company provides unique clinical grade products for stem cells and cell therapy applications. This includes GMP cryopreservation technology, and high-quality solutions for viral delivery.

-----

**Worldwide HQ**

**AMS Biotechnology (AMSBIO)**

184 Milton Park  
Abingdon  
Oxon OX14 4SE  
UK

Tel: +44-1235-828200

Fax: +44-1235-820482

Email: [info@amsbio.com](mailto:info@amsbio.com)

Web [www.amsbio.com](http://www.amsbio.com)