

Citations for Targefect-RAW

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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7265822/>
(Co-transfected 3 plasmids into RAW264.7 cells)
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<https://doi.org/10.1038/protex.2011.227>
3. Storek KM, Gertsvolf NA, Ohlson MB, Monack DM. cGAS and Ifi204 cooperate to produce type I IFNs in response to Francisella infection (2015) *J Immunol.* 194(7):3236-45.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4367159/>
(This paper cites use of the Targefect-RAW reagent to deliver Cas9, guide RNA and plasmid DNA into RAW cells)
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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2408693/>
(Transfection of DNA into RAW cells)
5. Song K, Kwon H, Han C, Chen W, Zhang J, Ma W, Dash S, Gandhi CR, Wu T. (2020) Yes-Associated Protein in Kupffer Cells Enhances the Production of Proinflammatory Cytokines and Promotes the Development of Nonalcoholic Steatohepatitis. *Hepatology.* 72(1):72-87.
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(Transfection of DNA into primary mouse Kupffer cells)
6. Galati D, Srinivasan S, Raza H, Prabu SK, Hardy M, Chandran K, Lopez M, Kalyanaraman B, Avadhani NG.(2009). Role of nuclear-encoded subunit Vb in the assembly and stability of cytochrome c oxidase complex: implications in mitochondrial dysfunction and ROS production. *Biochem J.* 420(3):439-49.
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2735414/>
(Transfection of DNA into RAW cells).
7. Venter G, Oerlemans FT, Wijers M, Willemse M, Fransen JA, Wieringa B. Glucose controls morphodynamics of LPS-stimulated macrophages. *PLoS One.* 2014 May 5;9(5):e96786
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4010488/>
(Transfected linearized DNA into RAW cells)
8. Venter G, Oerlemans FT, Willemse M, Wijers M, Fransen JA, Wieringa B (2014) NAMPT-mediated salvage synthesis of NAD⁺ controls morphofunctional changes of macrophages. *PLoS One.* May 13;9(5):e97378
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4019579/>

Inhibition of lipopolysaccharide-stimulated TNF- promoter activity by S- adenosylmethionine and 5'-methylthioadenosine Nary Veal, Chih-Lin Hsieh, Shigang Xiong, Jose M. Mato, Shelly Lu, and Hidekazu Tsukamoto *Am J Physiol Gastrointest Liver Physiol*, Aug 2004; 287: G352 - G362.

<https://journals.physiology.org/doi/full/10.1152/ajpgi.00316.2003>

Transfected DNA in RAW264.7 cells using only Tarefect-F2 (same as Tarefect-RAW) component of Tarefect-RAW kit

Tarefect-Hepatocyte

Mejhert N, Kuruvilla L, Gabriel KR, Elliott SD, Guie MA, Wang H, Lai ZW, Lane EA, Christiano R, Danial NN, Farese RV Jr, Walther TC. Partitioning of MLX-Family Transcription Factors to Lipid Droplets Regulates Metabolic Gene Expression. *Mol Cell*. 2020 Mar 19;77(6):1251-1264.e9.

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7397554/>.

Mouse primary hepatocytes were transfected with 3.0 µg of plasmid DNA using Tarefect Hepatocyte (HEP-01, Targeting Systems) transfection reagent using 6 µL of tarefect and 12 µL of virofect to form transfection complexes in 1 mL of Opti-MEM™ I Reduced Serum Medium (31985070, Gibco)

Chu, Y., Rosso, L., Huang, P. *et al.* Liver *Med23* ablation improves glucose and lipid metabolism through modulating FOXO1 activity. *Cell Res* **24**, 1250–1265 (2014).

<https://doi.org/10.1038/cr.2014.120>

Transfected primary mouse hepatocytes

Tarefect-HUVEC

Suttitheptumrong, Aroonroong, Thanaporn Mahutchariyakul, Nantapon Rawarak, Onrapak Reamtong, Kobporn Boonnak, and Sa-nga Pattanakitsakul. 2021. "Altered Moesin and Actin Cytoskeleton Protein Rearrangements Affect Transendothelial Permeability in Human Endothelial Cells upon Dengue Virus Infection and TNF-α Treatment" *Viruses* 13, no. 10: 2042.

<https://doi.org/10.3390/v13102042>

This group used Tarefect-F2 (Tarefect-HUVEC) plus virofect enhancer both components of Tarefect-HUVEC

EA.hy926 is a somatic hybrid cell line derived from HUVECs that can be used for cardiovascular disease research

EA.hy926, 1×10^5 cells were seeded into a 24-well plate until the cell density reached 70% to 80% confluence. Transfection with either pCMV6 or pCMV6-moesin plasmid was performed using the Targefect F2 reagent plus Virofect enhancer (Targeting Systems, El Cajon, CA, USA). Briefly, 0.625 μg of plasmid DNA was mixed with 1.2 μL of Targefect-HUVEC and 2.5 μL of Virofect in 62.5 μL of high-glucose DMEM, and then incubated at 37 °C for 25 min to form a transfection complex. Thereafter, the complex was added to a 250 μL DMEM/F12, 10% FBS medium. After the transfection process, EA.hy926 was incubated at 37 °C in a humidified CO₂ incubator for 24 h. The assay for protein production was performed at 24 h posttransfection.

Targefect-293F

Takikawa T, Ohashi K, Ogawa H, Otaka N, Kawanishi H, Fang L, Ozaki Y, Eguchi S, Tatsumi M, Takefuji M, Murohara T, Ouchi N. Adipolin/C1q/Tnf-related protein 12 prevents adverse cardiac remodeling after myocardial infarction. PLoS One. 2020 Dec 4;15(12):e0243483.
<https://pubmed.ncbi.nlm.nih.gov/33275602/>

Nitish Mahapatra in BioRxiv

A common tag nucleotide variant in *MMP7* promoter increases risk for hypertension via enhanced interactions with CREB transcription factor

Lakshmi Subramanian, Sakthisree Maghajothe, Mrityunjay Singh, Kousik Kesh, Kalyani Ananthamohan, Saurabh Sharma, Madhu Khullar, Suma M. Victor, Snehasikta Swarnakar, Shailendra Asthana, Ajit S. Mullasari, Nitish R. Mahapatra
doi: <https://doi.org/10.1101/568774>

<https://www.biorxiv.org/content/10.1101/568774v1.full>

Human neuroblastoma IMR-32, SH-SY5Y, rat cardiomyoblast H9c2, and mouse neuroblastoma N2a cell lines were obtained from the National Center for Cell Sciences, Pune, India. All transfections were carried out using Targefect F2 transfection reagent. *MMP7* promoter-reporter constructs and β -galactosidase (β -gal) expression plasmid (internal control) were transfected into these cell lines. Luciferase and β -galactosidase assays were performed as reported previously¹³ after 24-30 hrs of

transfection and promoter activities were expressed as luciferase/ β -galactosidase readings.