

Material Transfer Agreement

This Agreement shall be effective as of the last date signed below ("EFFECTIVE DATE")
between

"PROVIDER"

Institute: Graduate School of Medicine, The University of Tokyo

Address: 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033 JAPAN

and

"RECIPIENT"

Institute: Faculty of Science, Chiang Mai University

Address: 239 Huaykaew Road, Suthep Sub District, Mueang District, Chiang Mai 50200 THAILAND

Whereas PROVIDER and Dr. Noboru Mizushima (PROVIDER RESEARCHER) agree to provide RECIPIENT with Research Material(s) as described below as requested by Dr. Pathrapol Lithanatudom (RECIPIENT RESEARCHER) for use in a research project, subject to the terms and conditions set forth in this Agreement.

Research Material(s):

See Exhibit A attached hereto and made a part of hereof.

Research Purpose:

The research materials will be used for academic research purposes to investigate the role, function, and regulatory mechanisms of nuclear LC3 in mammalian cells. The study aims to examine the dynamics and biological significance of nuclear LC3 under stress and non-stress conditions, including the analysis of LC3 localization and translocation between the nucleus and cytoplasm. The use of the research materials will be limited to in vitro experimental analyses and will not involve any clinical, diagnostic, or commercial applications

Terms and Conditions:

1. Research Material(s) shall be used only for the research project(s) that are described above as Research Purpose. RECIPIENT shall not use Research Material(s) for purposes other than that proposed Research Purpose, without PROVIDER's permission.

2. Research Material(s) shall be received by RECIPIENT RESEARCHER only for use in RECIPIENT RESEARCHER's laboratory. RECIPIENT and RECIPIENT RESEARCHER shall not pass Research Material(s), their progeny or unmodified derivatives, on to any other party or use them for commercial purposes without PROVIDER's prior written consent. If RECIPIENT RESEARCHER collaborates with any other person outside of RECIPIENT RESEARCHER's laboratory using Research Material(s), RECIPIENT shall ask PROVIDER's permission.
3. When the research project is completed, or when RECIPIENT RESEARCHER moves to another institution or retires, Research Material(s), their progeny or unmodified derivatives, shall be destroyed immediately.
4. If RECIPIENT and RECIPIENT RESEARCHER want to use Research Material(s) for the development or evaluation of commercially valuable products, RECIPIENT shall ask PROVIDER's permission prior to the use.
5. No other right or license to Research Material(s), their progeny or unmodified derivatives, is granted or implied as a result of Research Material(s) transfer.
6. Research Material(s) is experimental in nature and may have hazardous properties and PROVIDER makes no warranties of any kind, either expressed or implied. There are no express or implied warranties of merchantability or fitness for a particular purpose, or the use of Research Material(s) will not infringe any patent, copyright, trademark or other proprietary rights.
7. In publishing the research results to be obtained by use of Research Material(s), RECIPIENT shall acknowledge PROVIDER RESEARCHER's contribution as a provider of Research Material(s) and cite the original publication shown in Exhibit A.
8. RECIPIENT shall inform PROVIDER of any patent application relating to Research Material(s) if applied for.
9. RECIPIENT and RECIPIENT RESEARCHER agree to use Research Material(s) in compliance with all applicable laws, rules and regulations.
10. Matters that are not stipulated in this Agreement or issues that arise out of this Agreement shall be negotiated in good faith between both parties.

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Signed as an Agreement:

RECIPIENT (Authorized) :

Name: Professor Dr. Piyapong Niamsup

Title: Dean of the Faculty of Science

Signature: 

Date: June 2, 2026

RECIPIENT RESEARCHER (Read & Understood) :

Name: Pathrapol Lithanatudom, Ph.D.

Title: Associate Professor, Department of Biology, Faculty of Science

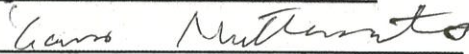
Signature: 

Date: 28 MAY 2026

PROVIDER (Authorized) :

Name: Yasuo Matsumoto

Title: General Manager, Graduate School of Medicine

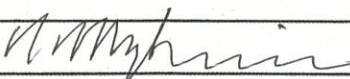
Signature: 

Date: Jun 15 (2026

PROVIDER RESEARCHER (Read & Understood) :

Name: Noboru Mizushima, M.D., Ph.D.

Title: Professor

Signature: 

Date: June 4, 2026

Exhibit A

	Research Material	Original Publication Cited
1	FIP200 KO HeLa	<i>Science</i> 2016 354(6315):1036-1041
2	ATG9A KO HeLa	<i>Science</i> 2016 354(6315):1036-1041
3	GFP-LC3 HeLa	<i>J. Cell Biol.</i> 2018 217 (8): 2633–2645
4	GFP-LC3 MEF	<i>Autophagy</i> 2010 6(6):764-76
5	HaloTag-LC3 MEF	<i>eLife</i> 2022 11:e78923