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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

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CHUL YONG PARK	07/27/2017
DUK HYOUNG KIM	10/11/2017
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15541784

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SIGNATURE:	/Kisuk Lee/
DATE SIGNED:	10/26/2017

PATENT REEL: 043962 FRAME: 0978

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This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 9
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The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application entitled:

ENDONUCLEASE TARGETING BLOOD COAGULATION FACTOR VIII GENE AND COMPOSITION FOR TREATING HEMOPHILIA COMPRISING SAME

As a below named inventor, I hereby declare that:

This declaration is dir	rected to (check one):
	The attached application, or
	United States application or PCT international application number
	filed on .

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I hereby acknowledge that any willful false statement made in this Declaration and Assignment is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

For good and valuable consideration, the receipt and adequacy whereof I hereby acknowledge, I hereby confirm any prior assignment to INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY, 1FL., Yonsei Univ., Engineering Research Park, 50 Yonsei-ro, Seodaemun-gu, Seoul 03722 Republic of Korea (hereinafter "Assignee 1"), and INSTITUTE FOR BASIC SCIENCE, KT Daedeok 2 Research Center, 70, Yuseong-daero 1689beon-gil Yuseong-gu Daejeon 34047 Republic of Korea (hereinafter "Assignee 2") and to the extent that I have not already done so, agree to assign, and hereby do, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the above-identified application, to the above-identified

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application itself, and all divisions, continuations, continuations-in-part, or other applications

claiming priority directly or indirectly from the above-identified application, and any United States

or foreign Letters Patent, utility model, or other similar rights which may be granted thereon,

including reissues, reexaminations and extensions thereof, and all copyright rights throughout

the world in the aforesaid application and the subject matter disclosed therein, these rights, title

and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters

Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and

entirely as the same would have been held by me had this assignment and sale not been made,

and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights

relating to any of the applications, patents, utility models, or other similar rights, resulting

therefrom, and the copyright rights.

I hereby covenant and agree to execute all instruments or documents required or requested for

the making and prosecution of any applications of any type for patent, utility model, or other

similar rights, and for copyright, in the United States and in all foreign countries including, but

not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute

thereof, any derivation proceedings relating thereto, and as to Letters Patent any supplemental

examination, derivation proceeding, opposition, post grant review, reissue, re-examination, inter-

partes review, or extension thereof, and for litigation regarding, or for the purpose of protecting

title and to the said invention, the United States application for patent, or Letters Patent therefor,

and to testify in support thereof, for the benefit of Assignee without further or other

compensation than that above set forth.

I hereby covenant that I have not made and will not make any assignment, sale, license,

agreement or encumbrance which would conflict with this Declaration and Assignment.

I hereby request the United States Patent and Trademark Office to issue the Letters Patent of

the United States of America to Assignee, and request that any official of any country or

countries foreign to the United States, whose duty it is to issue or grant patents and applications

as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to

Assignee.

I hereby grant the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this

Declaration and Assignment any further identification which may be necessary or desirable in

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order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

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KE	
Dong Wook KIM	Witness
July 27th, 2017	ommy
Dated	Witness

In Son KIM

Witness

October 23, 2017

Dated

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céglifs	9/9-5
Chul Yong PARK	Witness
July 27th, 2017	~mm
Dated	Witness

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Duk Hyoung KIM	Witness
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2017. 10.11	
Dated	Witness

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Jung Eun KIM

Witness

Aug 09, 2017

Dated

Witness

Jiveon KWEON

october, 2019

Dated

Witness

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RECORDED: 10/26/2017