

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM451343

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
Origene Technologies, Inc.		11/10/2017	Corporation: DELAWARE
RECEIVING PARTY DATA			
Name:	Manufacturers and Traders Trust Company		
Street Address:	25 South Charles Street, 12th Floor		
City:	Baltimore		
State/Country:	MARYLAND		
Postal Code:	21201		
Entity Type:	Corporation: NEW YORK		
PROPERTY NUMBERS Total: 11			
Property Type	Number	Word Mark	
Registration Number:	3052346	ORIGENE	
Registration Number:	2988746	TRUECLONE	
Registration Number:	2290404	ORIGENE	
Registration Number:	3256895	HUSH	
Registration Number:	3338194	YOUR GENE COMPANY	
Registration Number:	3481517	TURBOFECTIN	
Registration Number:	3577365	TRUEORF	
Registration Number:	3832397	EXACTORF	
Registration Number:	3673891	POWERPREP	
Registration Number:	4166501	TRUEMAB	
Registration Number:	4321887	ULTRAMAB	
CORRESPONDENCE DATA			
Fax Number:	4048817777		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>			
Phone:	404-881-7000		
Email:	kelly.branch@alston.com		
Correspondent Name:	Sam Gunn		
Address Line 1:	1201 West Peachtree Street		
Address Line 4:	Atlanta, GEORGIA 30309		

OP \$290.00 3052346

TRADEMARK

NAME OF SUBMITTER:	Sam Gunn
SIGNATURE:	/Sam Gunn/
DATE SIGNED:	11/17/2017
Total Attachments: 4 source=OriGene - Grant of Security Interest Patents and Trademarks (OriGene)#page1.tif source=OriGene - Grant of Security Interest Patents and Trademarks (OriGene)#page2.tif source=OriGene - Grant of Security Interest Patents and Trademarks (OriGene)#page3.tif source=OriGene - Grant of Security Interest Patents and Trademarks (OriGene)#page4.tif	

GRANT OF SECURITY INTEREST
PATENTS AND TRADEMARKS

FOR GOOD AND VALUABLE CONSIDERATION, receipt and sufficiency of which are hereby acknowledged, ORIGENE TECHNOLOGIES, INC., a Delaware corporation (the “Grantor”), with principal offices at 9620 Medical Center Drive, Suite 200, Rockville, Maryland 20850 on this 10th day of November, 2017, assigns and grants to MANUFACTURERS AND TRADERS TRUST COMPANY, as Collateral Agent (together with its successors and assigns, the “Grantee”) with principal offices at 25 South Charles Street, 12th Floor, Baltimore, Maryland 21201, a security interest in (i) all of the Grantor’s right, title and interest in and to the trademarks, trademark registrations, and trademark applications (the “Trademarks”) set forth on Schedule A attached hereto and all reissues, extensions or renewals thereof; (ii) all of the Grantor’s right, title and interest in and to the patents, and patent applications (the “Patents”) set forth on Schedule B attached hereto and all reissues, continuations, continuations-in-part and extensions thereof, in each case together with (iii) all Proceeds (as such term is defined in the Pledge and Security Agreement referred to below) of the Trademarks and Patents, (iv) the goodwill of the businesses with which the Trademarks are associated, and (v) all causes of action arising prior to or after the date hereof for infringement of any of the Trademarks and Patents or unfair competition regarding the same.

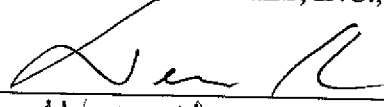
THIS GRANT OF SECURITY INTEREST (this “Grant”), is made to secure the satisfactory performance and payment of all the “Secured Obligations” of the Grantor, as such term is defined in that certain Pledge and Security Agreement among Grantor, the other grantors from time to time party thereto and the Grantee, dated as of November 10, 2017 (as the same may be amended, restated, supplemented or otherwise modified from time to time, the “Pledge and Security Agreement”).

This Grant has been granted in conjunction with the security interest granted to the Grantee under the Pledge and Security Agreement. The rights and remedies of the Grantee with respect to the security interest granted herein are without prejudice to, and are in addition to those set forth in the Pledge and Security Agreement, all terms and provisions of which are incorporated herein by reference. In the event that any provisions of this Grant are deemed to conflict with the Pledge and Security Agreement, the provisions of the Pledge and Security Agreement shall govern. This Grant may be executed in counterparts.

[SIGNATURE ON THE FOLLOWING PAGE]

IN WITNESS WHEREOF, the undersigned have executed this Grant as of the date referenced above.

ORIGENE TECHNOLOGIES, INC., as Grantor

By: 
Name: Wei-Mei Ho
Title: CEO & President

[OriGene Grant of Security Interest Patents and Trademarks.]

TRADEMARKS

<u>Trademarks</u>	<u>Registration Number</u>	<u>Registration Date</u>
1. OriGene & Design	3,052,346	1/31/2006
2. Trueclone	2,988,746	8/30/2005
3. OriGene	2,290,404	11/2/1999
4. Hush	3,256,895	6/26/2007
5. Your Gene Company	3,338,194	11/20/2007
6. Turbofectin	3,481,517	8/5/2008
7. Trueorf	3,577,365	2/17/2009
8. Exactorf	3,832,397	8/10/2010
9. Powerprep	3,673,891	8/25/2009
10. Truemab	4,166,501	7/3/2012
11. Ultramab	4,321,887	4/16/2013

TRADEMARK APPLICATIONS

REGISTERED PATENTS

<u>Patent</u>	<u>Patent Number</u>	<u>Issue Date</u>
1. Rapid-Screen cDNA Library Panels	6,316,193	11/13/2001
2. Regulated Angiogenesis Genes and Polypeptides	6,657,054	12/2/2003
3. Breast Cancer Transcription Factor Gene and Uses	7,053,193	5/30/2006
4. Regulated Prostate Cancer Genes	6,833,247	12/21/2004
5. Histamine H2 Receptor and Uses	6,953,673	10/11/2005
6. Full-Length Serine Protein Kinase in Brain and Pancreas	6,455,292	9/24/2002
7. TBX3 Gene and Methods of Using IT	6,635,481	10/21/2003
8. Human TBX20 Gene and Uses	6,780,595	8/24/2004
9. Melanocortin-1 Receptor and Methods of Use	7,115,393	10/3/2006
10. Solid Phase Methods for Polynucleotide Production	7,482,119	1/27/2009
11. Methods for Improving the Sequence Fidelity of Synthetic	6,664,112	12/16/2003
12. Method and System for Polynucleotide Synthesis	7,164,992	1/6/2007

PATENT APPLICATIONS