	Atty. Docket Nos.: RBN-001 RBN-001CN					
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Name Jack D. Keene	12/23/02					
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Name (line 1) Ribonomics, Inc.	☐ If document to be recorded					
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Address (line 1) P.O. Box 13169	States, an appointment of a					
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		Page 2		PATENT			
Correspondent I	Name and Addres Area Co	ss ode and Telephone N	umber (617) 24	18-7000			
Name	Patent Administrator						
Address (line 1)	Testa, Hurwitz & Thi	beault, LLP					
Address (line 2)	High Street Tower						
Address (line 3)	125 High Street						
Address (line 4)	Boston, MA 02110						
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Diana M. Steel, R	eg. No. 43,153	Chan	Martino	· Janu	an 27.2003		
Name of	Person Signing	S	ignature	7 0	Date		

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ASSIGNMENT

WHEREAS, I, Jack D. Keene, Ph.D. ("Assignor"), have invented one or more inventions described in the following applications (or provisional application):

- 1. Methods, Compositions and Kits for Structurally and Functionally Partitioning, Identifying and Characterizing Messenger RNA Subsets, Serial No. 60/173,338, filed in the United States Patent and Trademark Office on December 28, 1999;
- 2. Methods for Isolating and Characterizing Endogenous mRNA-Protein (mRNP) Complexes, Serial No. PCT/US00/35583, filed December 28, 2000; and
- 3. Methods for Isolating and Characterizing Endogenous mRNA-Protein (mRNP) Complexes, Serial No. 09/750,401, filed in the United States Patent and Trademark Office on December 28, 2000.

WHEREAS, Ribonomics, Inc. ("Assignee"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at P.O. Box 13169, Research Triangle Park, NC 27709-3169, desires to acquire an interest therein, in accordance with agreements duly entered into with me;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and for Six million-four-hundred-seventy-thousand-five-hundred-ninety-one (6,470,591) shares of Assignee's common stock, par value \$0.001 per share, the receipt of which is hereby acknowledged, I, do hereby sell, assign and transfer unto said Assignee, its successors, assigns, and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the invention(s) described in said application, together with my entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under United States law or international convention, including but not limited to nonprovisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said application or such Letters Patent, and any right, title and interest I may have in provisional applications to which said application claims priority; said invention(s), applications and Letters Patent to be held and enjoyed by said Assignee for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made; I hereby convey all of my rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said invention(s), carries with it the right in Assignee to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of Assignee's selection and the right to procure the grant of all Letters Patent to Assignee in its own name as assignee of my entire right, title and interest therein;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention(s) to said Assignee, its successors, assigns, and legal

PATENT REEL: 013713 FRAME: 0166 Sole Assignment U.S. Serial Nos. 60/173,338, PCT/US00/35583, 09/750,401 Page 2 of 2

representatives, but at its or their expense and charges, including the execution of non-provisional, substitution, continuation, divisional, reissue, reexamination, or corresponding foreign or international patent applications;

AND, I hereby further agree to provide statements or testimony in any interference or other proceeding in which said invention(s) or any application or patent directed thereto may be involved;

AND, I hereby authorize Assignee or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on the date of my execution of this assignment;

AND, I do hereby authorize and request the Director of the United States Patent and Trademark Office to issue such Letters Patent as shall be granted upon said application, or applications based thereon, to said Assignee, its successors, assigns, or legal representatives.

AND, this Assignment revokes and supersedes any previous assignments, whether written or oral, including but not limited to the assignment agreement dated October 19, 2000, between the parties with respect to the subject matter hereof and fully sets forth the entire agreement between the parties.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal on the date set

forth below.

Inventor:

Jack D. Keene, Ph.D.

State/Commonwealth of ^

RECORDED: 02/03/2003

County of

Subscribed and sworn to before me, by the above-named Jack D. Keene, Ph.D. this

_ day

) ((mlu . 2002.

Notary Public

My Commission Expires:

es: <u>9</u>

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