

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Takeda Pharmaceutical Company Limited	06/21/2005
RECEIVING PARTY DATA	
Name:	Masamichi Muramatsu
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11484529
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Total Attachments: 2 source=Assignment5#page1.tif source=Assignment5#page2.tif	

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PATENT

ASSIGNMENT

For valuable consideration, we, Takeda Pharmaceutical Company Limited, of Osaka, Japan, hereby assign to MASAMICHI MURAMATSU, a individual residing at 4-1, Ichoda-cho, Matsugasaki, Sakyo-ku, Kyoto-shi, Kyoto 606-0954 Japan, and his successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are the subject of applications for United States Patent entitled CYTIDINE DEAMINASE, filed September 28, 2001, and assigned U.S. Serial Number 09/966,880, and entitled CYTIDINE DEAMINASE, filed July 2, 2004, and assigned U.S. Serial Number 10/884,878, this assignment including said applications, any and all United States and foreign utility patents and patent applications, including continuation, divisional, reissue, and reexamination applications, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said applications under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Executed at Osaka, JAPAN
this 21st day of June, 2005

TAKEDA PHARMACEUTICAL COMPANY LIMITED

Hiroshi Akimoto

Name: Hiroshi AKIMOTO, Ph.D.
Title: Executive Director, Member of the Board,
General Manager, Intellectual Property Department
A duly authorized representative of Takeda Pharmaceutical
Company Limited

Witnessed by: Naoyuki Miyagawa
Name: Naoyuki Miyagawa Date: June 21, 2005

Witnessed by: Mariko Nakamichi
Name: Mariko Nakamichi Date: June 21, 2005

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