

Form 144

FORM 144

NOTICE OF PROPOSED SALE OF SECURITIES  
PURSUANT TO RULE 144 UNDER THE SECURITIES ACT OF 1933

## 144: Filer Information

Filer CIK 0001839697  
Filer CCC XXXXXXXXX  
Is this a LIVE or TEST Filing?  LIVE  TEST

### Submission Contact Information

Name  
Phone  
E-Mail Address

## 144: Issuer Information

Name of Issuer bluebird bio, Inc.  
SEC File Number 001-35966  
Address of Issuer 455 GRAND UNION BOULEVARD  
SOMERVILLE  
MASSACHUSETTS  
02145  
Phone 339-499-9300  
Name of Person for Whose Account the Securities are To Be Sold Obenshain Andrew

See the definition of "person" in paragraph (a) of Rule 144. Information is to be given not only as to the person for whose account the securities are to be sold but also as to all other persons included in that definition. In addition, information shall be given as to sales by all persons whose sales are required by paragraph (e) of Rule 144 to be aggregated with sales for the account of the person filing this notice.

Relationship to Issuer Officer  
Relationship to Issuer Director

## 144: Securities Information

Title of the Class of Securities To Be Sold	Name and Address of the Broker	Number of Shares or Other Units To Be Sold	Aggregate Market Value	Number of Shares or Other Units Outstanding	Approximate Date of Sale	Name the Securities Exchange
Common	Morgan Stanley 1500 - 600 3 Ave SW Calgary A0 T2P 0G5	34780	18085.60	193913585	09/30/2024	NASDAQ

Furnish the following information with respect to the acquisition of the securities to be sold and with respect to the payment of all or any part of the purchase price or other consideration therefor:

## 144: Securities To Be Sold

Title of the Class	Date you Acquired	Nature of Acquisition Transaction	Name of Person from	Is this	Date Donor Acquired	Amount of Securities Acquired	Date of Payment	Nature of Payment *
--------------------	-------------------	-----------------------------------	---------------------	---------	---------------------	-------------------------------	-----------------	---------------------

			Whom Acquired	a Gift?		
Common	08/02/2024	Vested restricted stock units under company equity plan; sale of shares due to withholding taxes	Issuer	<input type="checkbox"/>	50192	08/02/2021 Services rendered.

\* If the securities were purchased and full payment therefor was not made in cash at the time of purchase, explain in the table or in a note thereto the nature of the consideration given. If the consideration consisted of any note or other obligation, or if payment was made in installments describe the arrangement and state when the note or other obligation was discharged in full or the last installment paid.

Furnish the following information as to all securities of the issuer sold during the past 3 months by the person for whose account the securities are to be sold.

## 144: Securities Sold During The Past 3 Months

Nothing to Report

## 144: Remarks and Signature

Remarks	Shares to be sold to cover withholding taxes upon vesting of restricted stock unit awards pursuant to standing Rule 10b5-1 sell to cover instruction.
Date of Notice	10/01/2024
Date of Plan Adoption or Giving of Instruction, If Relying on Rule 10b5-1	05/10/2023

**ATTENTION:**

The person for whose account the securities to which this notice relates are to be sold hereby represents by signing this notice that he does not know any material adverse information in regard to the current and prospective operations of the Issuer of the securities to be sold which has not been publicly disclosed. If such person has adopted a written trading plan or given trading instructions to satisfy Rule 10b5-1 under the Exchange Act, by signing the form and indicating the date that the plan was adopted or the instruction given, that person makes such representation as of the plan adoption or instruction date.

Signature /s/ Sydney Gaylin, attorney-in-fact for Andrew Obenshain

**ATTENTION: Intentional misstatements or omission of facts constitute Federal Criminal Violations (See 18 U.S.C. 1001)**